

TC-WE305


SERVICE MANUAL

Ver 1.2 2003.12

With SUPPLEMENT-1
(9-960-691-81)

US Model
Canadian Model
AEP Model
E Model
Australian Model
PX Model



Dolby noise reduction manufactured under license from
Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol  are trademarks of
Dolby Laboratories Licensing Corporation.

| Model Name Using Similar Mechanism | | NEW |
|------------------------------------|--------|---------------|
| Tape Transport Mechanism Type | DECK A | TCM-YS47CZ-19 |
| | DECK B | TCM-YS47CZ-18 |

SPECIFICATIONS

System

Recording system

4-track 2-channel stereo

Fast-winding time (approx.)

120 sec. (with Sony C-60 cassette)

Bias

AC bias

Signal-to-noise ratio (at peak level and weighted with Dolby NR off)

Type I tape, Sony Type I (NORMAL):

55 dB

Type II tape, Sony Type II (HIGH):

57 dB

Type IV tape, Sony Type IV (METAL):

58 dB

S/N ratio improvement (approximate values)

With Dolby NR on: 5 dB at 1 kHz,

10 dB at 5 kHz

Harmonic distortion

0.4% (with Type I tape, Sony Type I
(NORMAL): 160 nWb/m 315 Hz, 3rd
H.D.)

1.8% (with Type IV tape, Sony Type
IV (METAL): 250 nWb/m 315 Hz, 3rd
H.D.)

Frequency response (Dolby NR off)

Type I tape, Sony Type I (NORMAL):

30 - 14,000 Hz (± 3 dB, IEC)

20 - 15,000 Hz (± 6 dB)

Type II tape, Sony Type II (HIGH):

30 - 15,000 Hz (± 3 dB, IEC)

20 - 16,000 Hz (± 6 dB)

Type IV tape, Sony Type IV (METAL):

30 - 15,000 Hz (± 3 dB, IEC)

20 - 16,000 Hz (± 6 dB)

30 - 13,000 Hz (± 3 dB, -4 dB
recording)

— Continued on page 2 —

STEREO CASSETTE DECK

9-960-691-13

2003L02-1

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Sony Corporation

Home Audio Company

Published by Sony Engineering Corporation

SONY®

Inputs

Line inputs (phono jacks)

Sensitivity : 0.16 V
Input impedance : 47 kilohms

Outputs

Line outputs (phono jacks)

Rated output level : 0.5 V at a load
impedance of 47 kilohms
Load impedance : Over 10 kilohms

General

Power requirements

| Where purchased | Power requirements |
|----------------------|--------------------------|
| US, Canadian model | 120V AC, 60Hz |
| AEP, Singapore model | 220 - 230V AC, 50/60Hz |
| Australian model | 240V AC, 50/60Hz |
| E, PX model | 120/220/240V AC, 50/60Hz |

Power consumption

15 W (Continental Europe)
27 W (Other countries)

Dimensions (approx.)

430 × 120 × 305 mm (w/h/d)
(17 × 4 3/4 × 12 1/8 inches)
including projecting parts and
controls

Mass (approx.)

3.3 kg (7 lbs 4 oz)

Supplied accessories

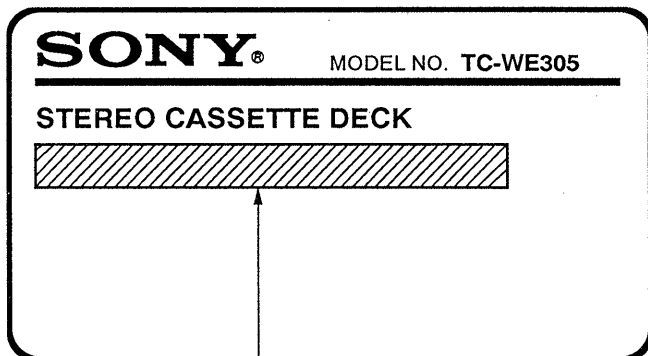
Audio connecting cords (2 phono
plugs - 2 phono plugs) (2)

Design and specifications are subject to
change without notice.

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MODEL IDENTIFICATION



US, Canadian model : AC 120V 60Hz
Australian model : AC 240V~50/60Hz
AEP, Singapore model : AC 220-230V~50/60Hz
E, PX model : AC120/220/240V~50/60Hz

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

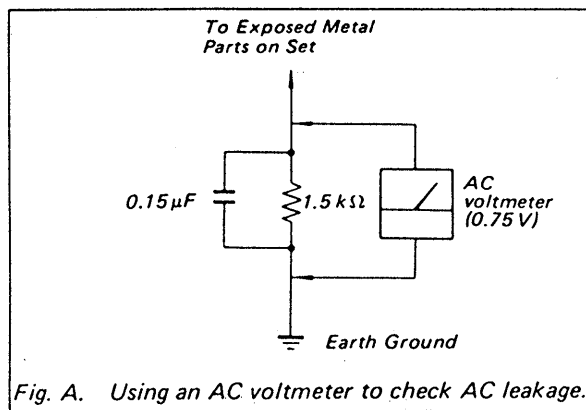





Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

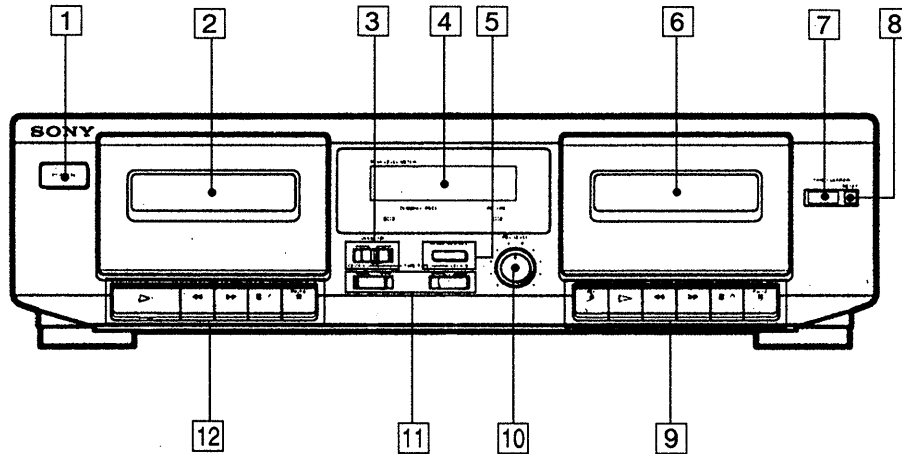
COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE  SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1 GENERAL

IDENTIFYING THE PARTS



- | | |
|---|---|
| <p>1 POWER switch</p> <p>2 Deck-A</p> <p>3 DOLBY NR ON/OFF switch</p> <p>4 Display</p> <p>5 DUBBING SPEED HIGH/NORM switch</p> <p>6 Deck-B</p> <p>7 TAPE COUNTER</p> <p>8 RESET (COUNTER) button</p> <p>9 Tape operation buttons (Deck-B)</p> <ul style="list-style-type: none"> ● REC (record) button ▷ (play) button ◀◀ (leftward fastwinding) button ▶▶ (rightward fastwinding) button ■ / ▲ (stop/eject) button PAUSE button | <p>10 REC (recording) LEVEL control</p> <p>11 TAPE TYPE selector</p> <ul style="list-style-type: none"> I (Normal) II / IV (CrO₂ / Metal) } Deck-A I (Normal) II (CrO₂) } Deck-B IV (Metal) <p>12 Tape operation buttons (Deck-A)</p> <ul style="list-style-type: none"> ▷ (play) button ◀◀ (leftward fastwinding) button ▶▶ (rightward fastwinding) button ■ / ▲ (stop/eject) button PAUSE button |
|---|---|

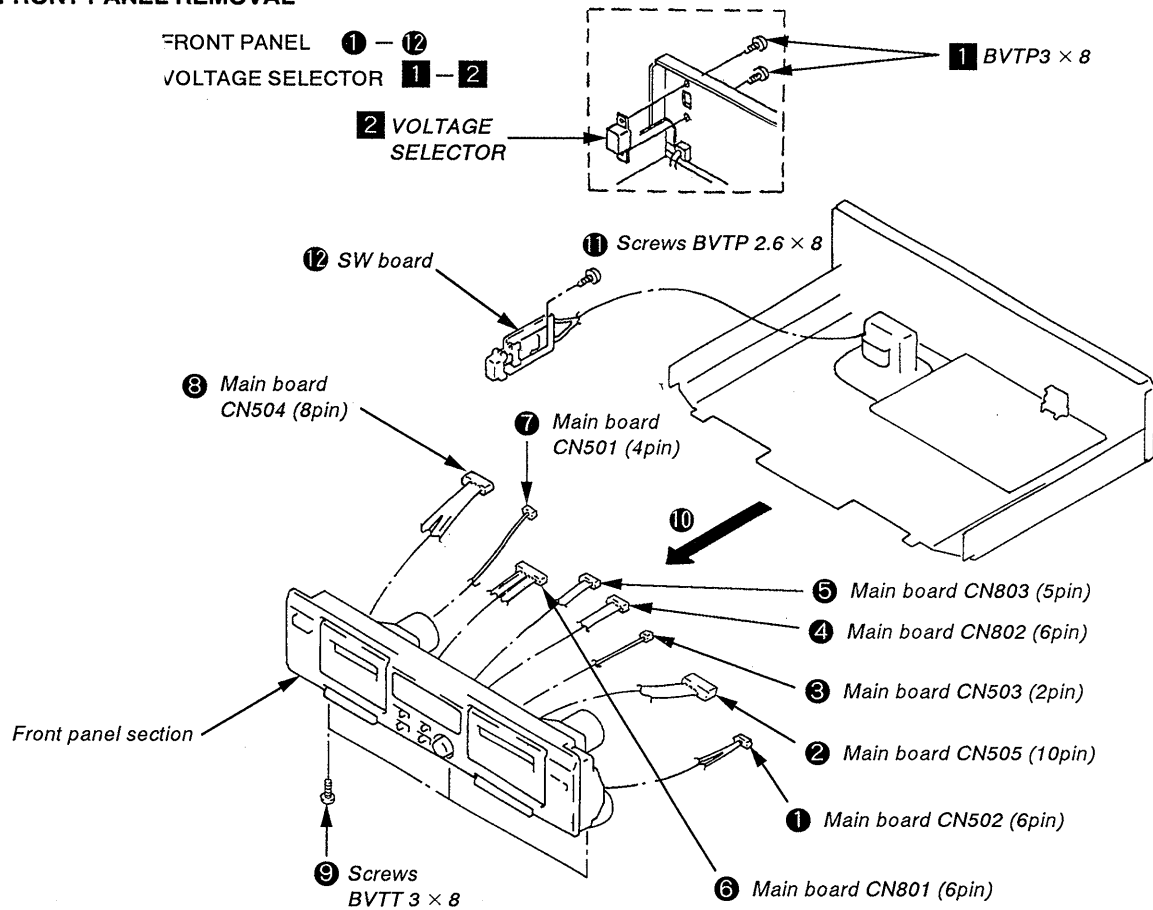
SECTION 2 DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

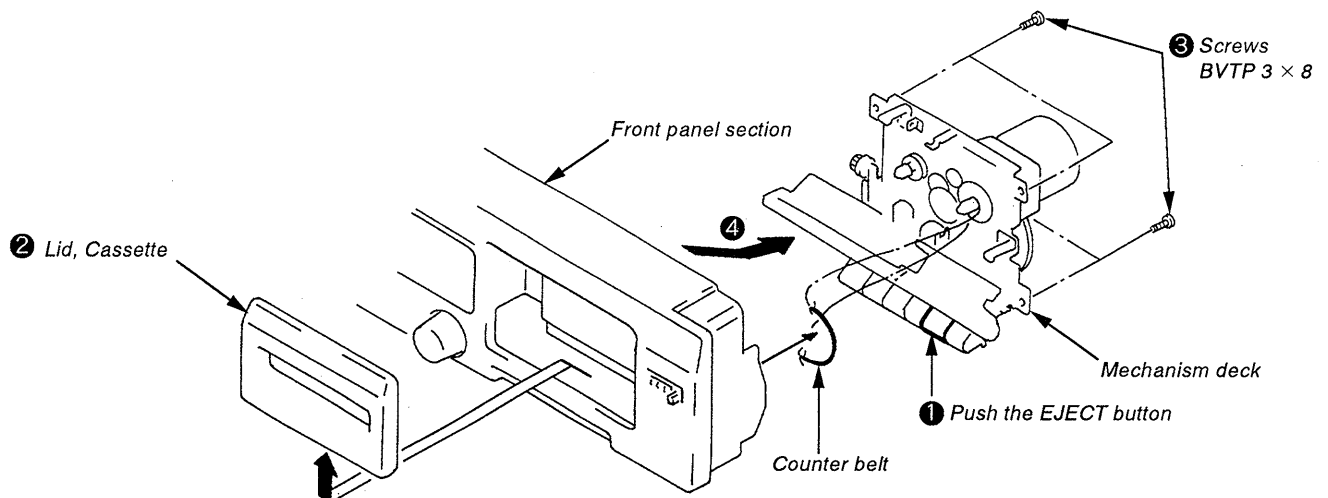
CASE

Unscrew the four case attachment screws M3 × 8 and remove the case.

2-1. FRONT PANEL REMOVAL



2-2. MECHANISM DECK REMOVAL



SECTION 3 ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab:
 record/playback/erase head pinch roller
 rubber belts capstan
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustment.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

• Torque Measurement

| Torque | Torque meter | Meter reading |
|----------------------------|--------------|--|
| Forward | CQ-102C | 30 to 70 g • cm (0.42 to 0.97 oz • inch) |
| Forward back tension | CQ-102C | DECK-A : 1.5 to 5.5 g • cm (0.020 to 0.076 oz • inch) DECK-B : 1.5 to 7 g • cm (0.020 to 0.096 oz • inch) |
| FF/REW | CQ-201B | 60 g • cm or more (0.83 oz • inch or more) |

• Tape Tension Measurement

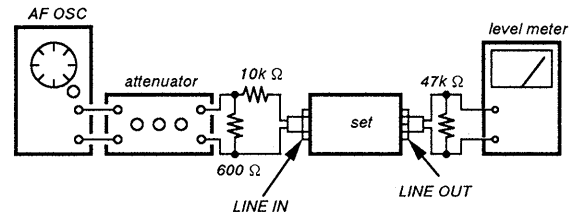
| Mode | Tension meter | Meter reading |
|------|---------------|--------------------------|
| FWD | CQ-403A | more than 100g (3.53 oz) |

3-2. ELECTRICAL ADJUSTMENTS

PRECAUTION

1. The adjustment should be performed in the publication.
(Be sure to make playback adjustment at first.)
2. The adjustments and measurement should be performed for both L-CH and R-CH.
 - Switch position
 DOLBY NR switch : OFF
 TAPE TYPE switch : TYPE I (NORMAL)
 REC level : min
 - Standard record position :
 Deliver the standard input signal level to input jack and set the REC LEVEL control to obtain the standard output signal level as follows.

— Record Mode —



Standard Input Level

| Input terminal | LINE IN |
|--------------------|-----------------|
| source impedance | 10k Ω |
| input signal level | 0.5V (- 3.8dB) |

Standard Output Level

| Output terminal | LINE OUT |
|---------------------|-----------------|
| load impedance | 47k Ω |
| output signal level | 0.5V (- 3.8dB) |

Test Tape

| Tape | Contents | Use |
|----------|---------------|-----------------------|
| P-4-A100 | 10kHz, - 10dB | Azimuth Adjustment |
| P-4-L300 | 315Hz, 0dB | PB Level Adjustment |
| WS-48B | 3kHz, 0dB | Tape Speed Adjustment |

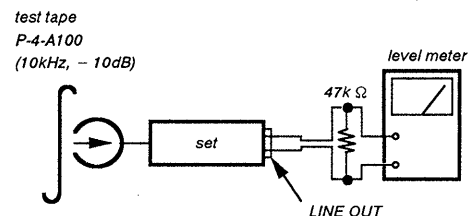
$$0\text{dB} = 0.775\text{V}$$

Record/Playback Head Azimuth Adjustment

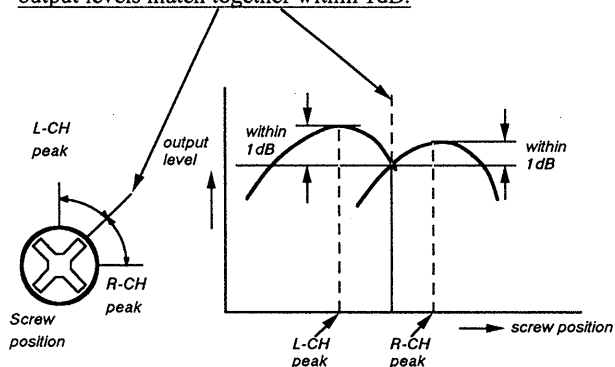
DECK-A **DECK-B**

Procedure :

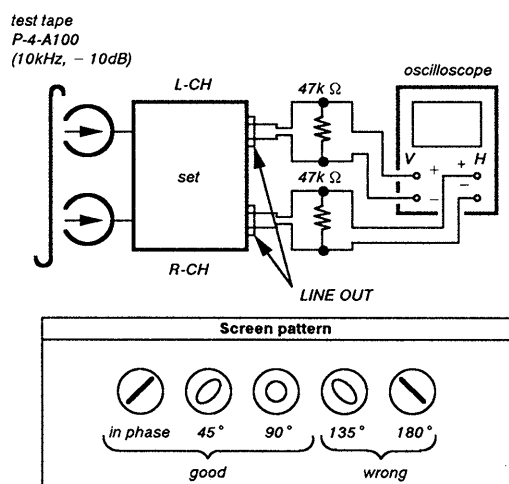
1. Forward playback Mode



2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1dB.

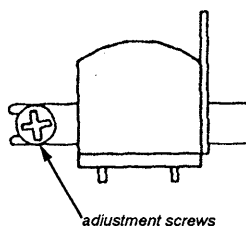


3. Playback Mode



4. Change the reverse playback mode and repeat the steps 1 to 3.
5. After the adjustment, lock the adjustment screws with suitable locking compound.

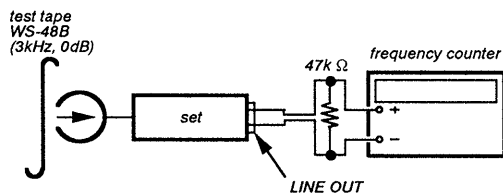
Adjustment Location : – record/playback head –



Tape Speed Adjustment DECK-A DECK-B

Procedure :

- Perform high speed adjustment before normal speed adjustment.
Mode : FWD playback



Specifications :

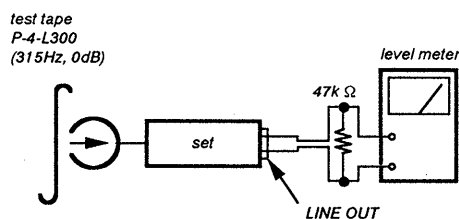
| | Adjustment part | | CNP506 | Frequency counter |
|--------------|-----------------|-------|--------|-------------------|
| High speed | Deck A | RV501 | SHORT | 5980 to 6020Hz |
| | Deck B | RV503 | | |
| Normal speed | Deck A | RV502 | OPEN | 2990 to 3010Hz |
| | Deck B | RV504 | | |

Adjustment Location : MAIN board (see page 9)

Playback Level Adjustment DECK-A DECK-B

Procedure :

Mode : FWD playback



DECK A is RV101 (L-CH) and RV201 (R-CH),
DECK B is RV102 (L-CH) and RV202 (R-CH)
so that adjustment within the following adjustment level.

Adjustment Level :

LINE OUT level : – $7.7 \pm 0.5\text{dB}$ (0.30 to 0.34V)
Level difference between channels : within 0.5dB

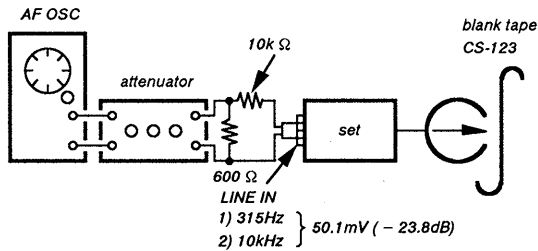
Record Bias Adjustment **DECK-B**

Setting :

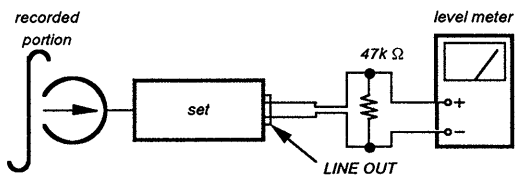
TAPE SELECT : TYPE -I (DECK-B)

Procedure :

1. Record Mode



2. Playback Mode



Confirm that the 10kHz playback output is $0 \pm 0.5\text{dB}$ relative to the 315Hz output. If necessary, adjust RV105 (L-CH), RV205 (R-CH) and repeat the steps given above.

Adjustment Location : MAIN board (see page 9)

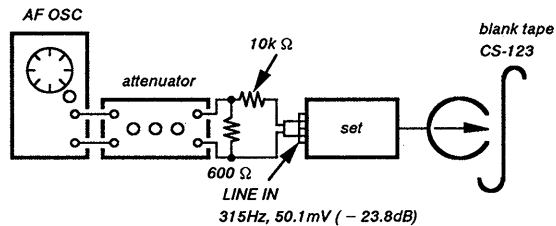
Record Level Adjustment **DECK-B**

Setting :

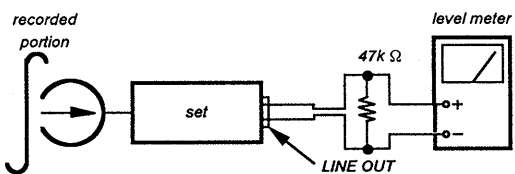
TAPE SELECT : TYPE -I (DECK-B)

Procedure :

1. Record Mode



2. Playback Mode



Confirm playback the tape recorded become adjustment level as follows.

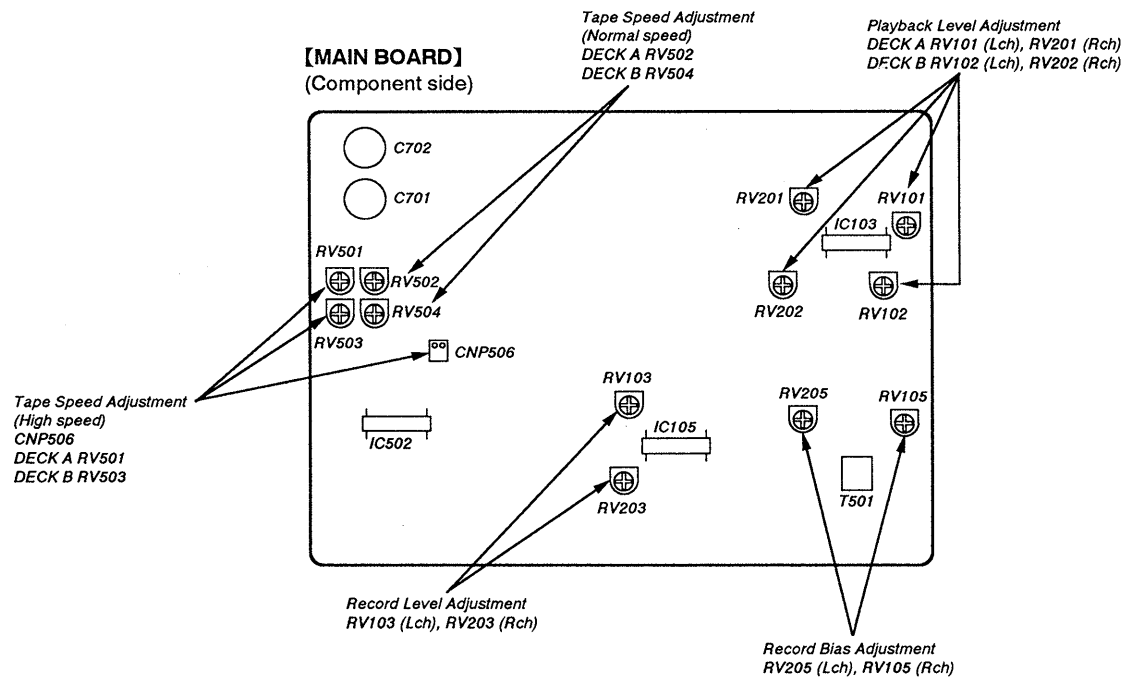
If necessary, adjust RV103 (L-CH), RV203 (R-CH) and repeat the steps 1 and 2.

Adjustment Level :

LINE OUT level : $- 23.8 \pm 0.5\text{dB}$ (47.2 to 53mV)

Adjustment Location : MAIN board (see page 9)

Adjustment Location : MAIN board

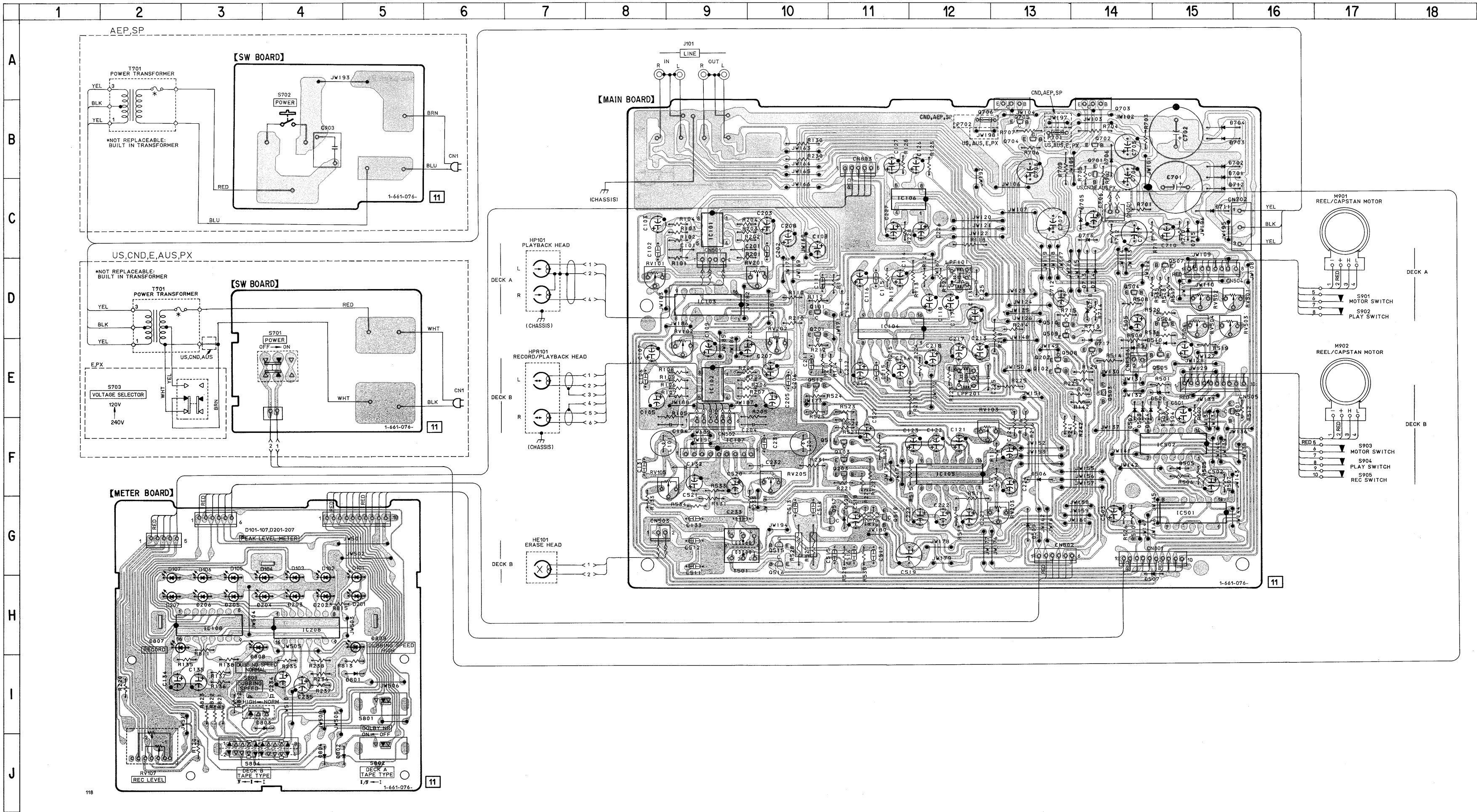


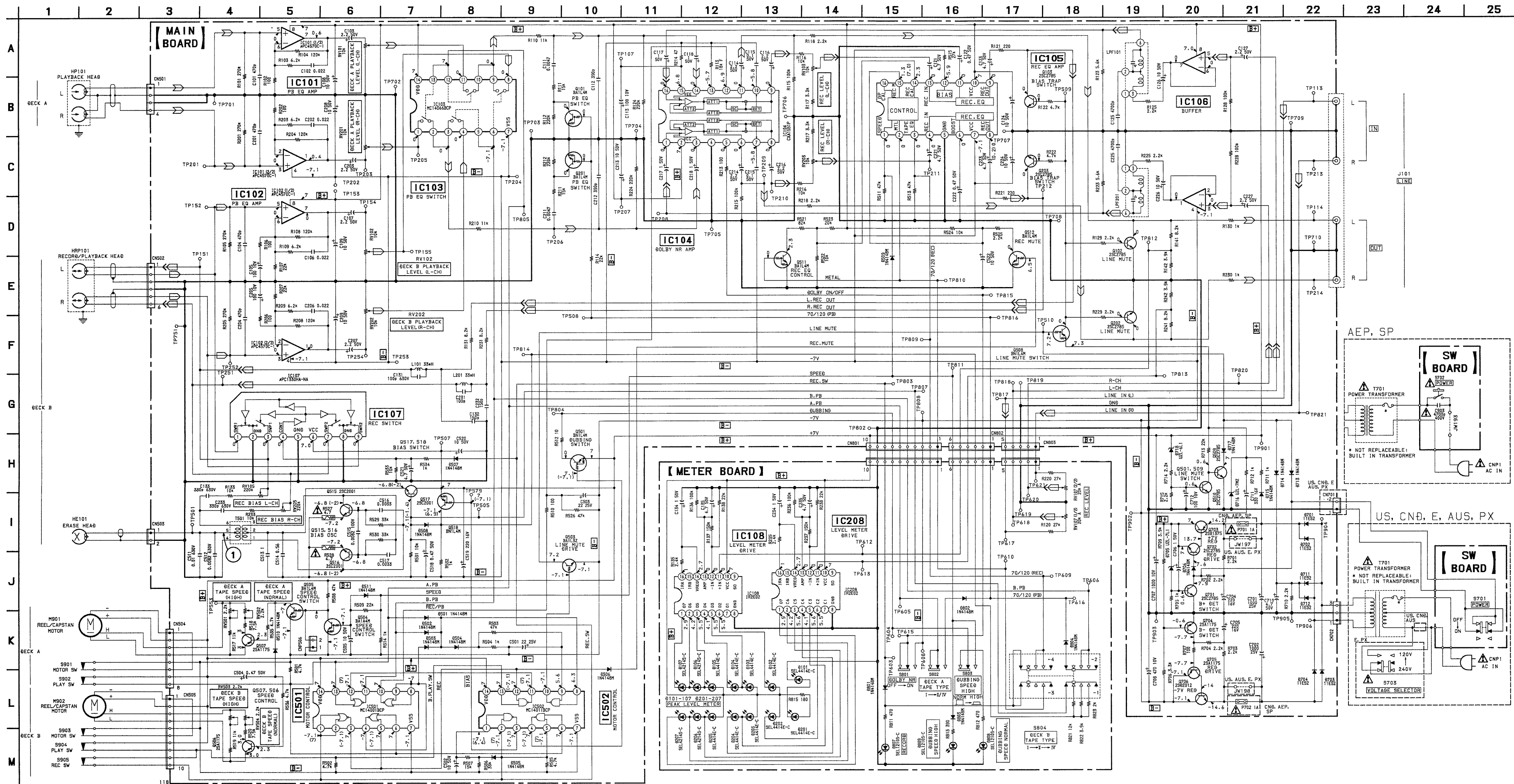
● SEMICONDUCTOR LOCATION

| Ref. No. | Location | Ref. No. | Location |
|----------|----------|----------|----------|
| D101 | H - 5 | D808 | H - 3 |
| D102 | H - 4 | D809 | H - 5 |
| D103 | H - 4 | | |
| D104 | H - 4 | | |
| D105 | H - 3 | IC101 | C - 9 |
| | | IC102 | E - 9 |
| D106 | H - 3 | IC103 | D - 9 |
| D107 | H - 2 | IC104 | D - 11 |
| D201 | H - 5 | IC105 | F - 12 |
| D202 | H - 4 | | |
| D203 | H - 4 | IC106 | C - 12 |
| | | IC107 | F - 9 |
| D204 | H - 4 | IC108 | H - 3 |
| D205 | H - 3 | IC208 | H - 4 |
| D206 | H - 3 | IC501 | G - 15 |
| D207 | H - 2 | | |
| D501 | E - 15 | IC502 | F - 15 |
| | | | |
| D502 | E - 14 | | |
| D503 | E - 14 | Q101 | D - 10 |
| D504 | E - 15 | Q102 | E - 13 |
| D505 | F - 15 | Q103 | F - 11 |
| D506 | F - 13 | Q201 | D - 10 |
| | | Q202 | E - 13 |
| D507 | G - 15 | | |
| D508 | G - 11 | Q203 | F - 11 |
| D509 | G - 13 | Q501 | E - 16 |
| D510 | E - 15 | Q503 | E - 14 |
| D511 | E - 14 | Q504 | D - 14 |
| | | Q505 | E - 15 |
| D701 | B - 15 | | |
| D702 | B - 15 | Q506 | D - 15 |
| D703 | B - 15 | Q507 | D - 15 |
| D704 | B - 15 | Q508 | E - 14 |
| D705 | C - 14 | Q509 | D - 13 |
| | | Q510 | D - 13 |
| D706 | B - 14 | | |
| D711 | C - 15 | Q511 | F - 11 |
| D712 | C - 15 | Q512 | E - 10 |
| D713 | D - 14 | Q515 | G - 10 |
| D714 | D - 14 | Q516 | G - 10 |
| | | Q517 | G - 11 |
| D715 | C - 15 | | |
| D716 | C - 14 | Q518 | G - 11 |
| D717 | E - 14 | Q701 | B - 14 |
| D718 | D - 14 | Q702 | B - 14 |
| D801 | I - 5 | Q703 | B - 14 |
| | | Q704 | B - 13 |
| D802 | J - 5 | | |
| D803 | I - 4 | Q705 | B - 13 |
| D804 | J - 4 | Q706 | B - 13 |
| D807 | H - 2 | | |

Note:

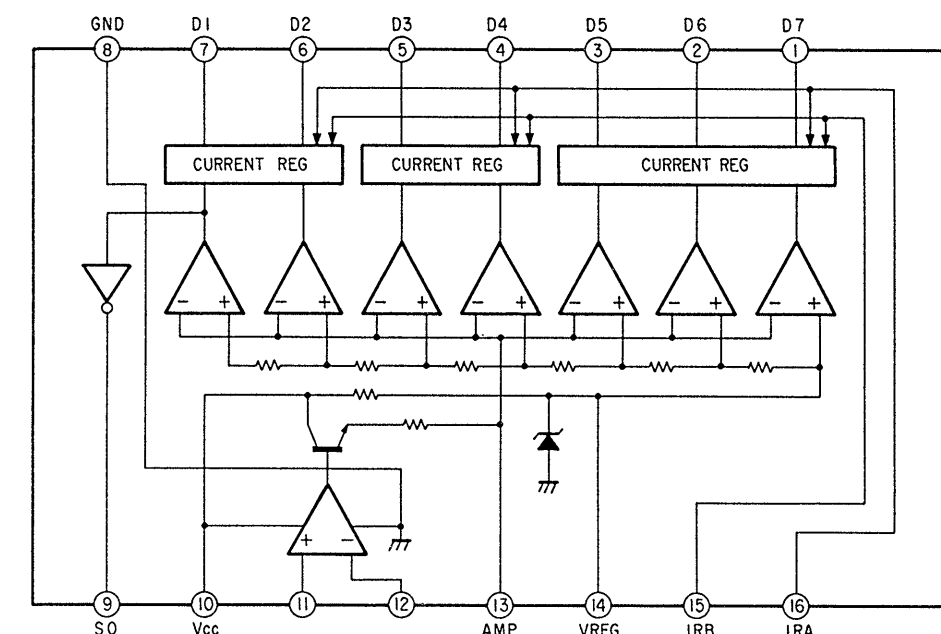
- : parts extracted from the component side.
- △ : internal component.
- ▨ : Pattern from the side which enables seeing.
- Abbreviations
CND : Canadian
SP : Singapore
AUS : Australian



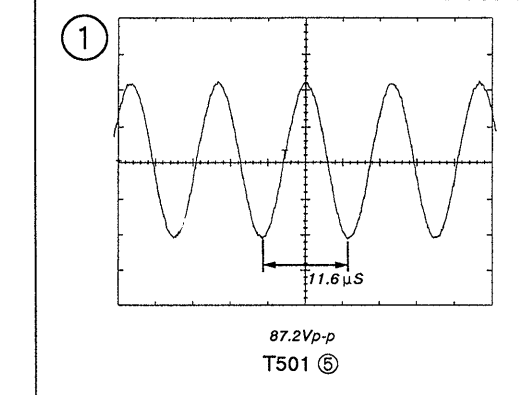


● IC BLOCK DIAGRAM

IC108, 208 IR2E02



● WAVEFORM



Note :

- All capacitors are in μF unless otherwise noted. pF: μF 50V or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- % : indicates tolerance.
- Δ : internal component.
- \square : fusible resistor.
- \square : panel designation.

Note :

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note :

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- **B+** : B+ Line
- **B-** : B- Line
- \square : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- no mark : PLAY
- () : REC
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- \rightarrow : PB (DECK A)
- \rightarrow : PB (DECK B)
- \rightarrow : REC (DECK B)
- Abbreviations
- CND : Canadian
- SP : Singapore
- AUS : Australian

SECTION 5 EXPLODED VIEWS

NOTE :

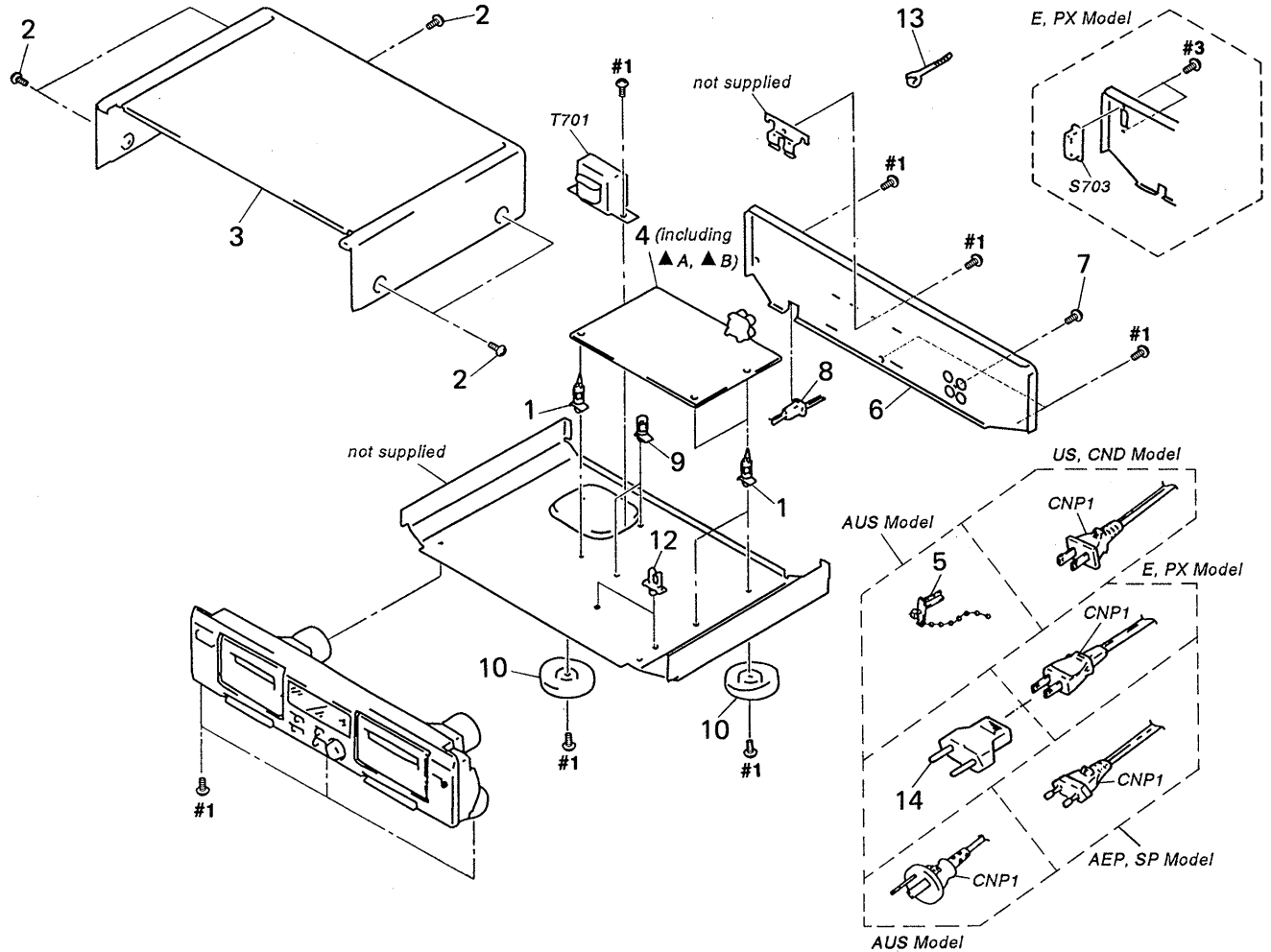
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
CND : Canadian SP : Singapore
AUS : Australian

The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

5-1. CHASSIS SECTION

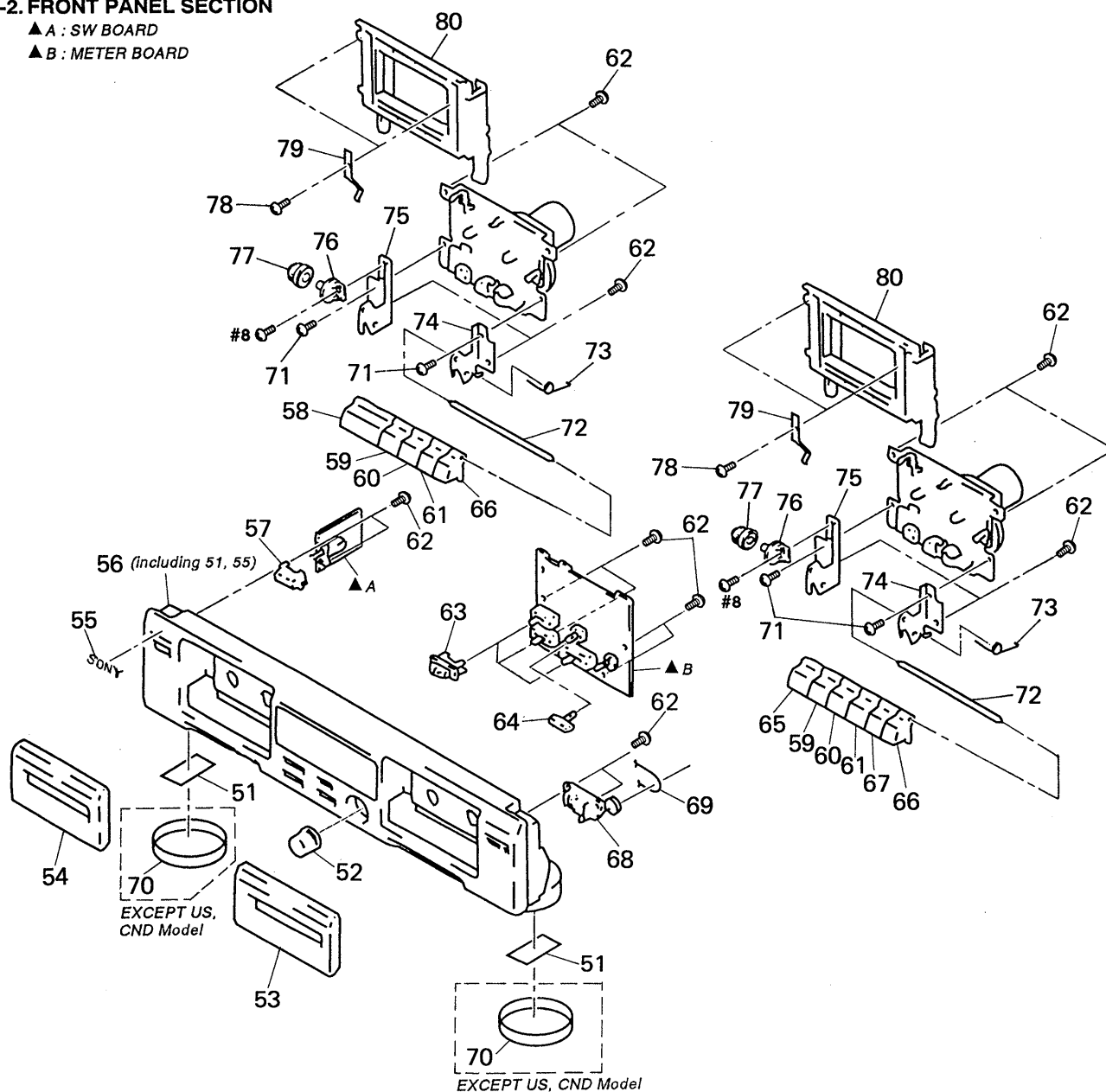


| Ref. No. | Part No. | Description | Remark |
|----------|--------------|--|--------|
| * 1 | 3-346-265-11 | HOLDER, PC BOARD | |
| 2 | 3-363-099-01 | SCREW (CASE 3 TP2) | |
| * 3 | 3-935-634-01 | CASE | |
| * 4 | A-2007-564-A | MAIN BOARD, COMPLETE (US,AUS) | |
| * 4 | A-2007-589-A | MAIN BOARD, COMPLETE (AEP,SP,E,PX) | |
| * 4 | A-2007-594-A | MAIN BOARD, COMPLETE (CND) | |
| 5 | 4-956-370-12 | BAND, PLUG FIXED (AUS) | |
| * 6 | 3-935-621-01 | PANEL, BACK (US) | |
| * 6 | 3-935-621-11 | PANEL, BACK (CND) | |
| * 6 | 3-935-621-21 | PANEL, BACK (AEP) | |
| * 6 | 3-935-621-31 | PANEL, BACK (E,PX) | |
| * 6 | 3-935-621-41 | PANEL, BACK (AUS) | |
| * 6 | 3-935-621-51 | PANEL, BACK (SP) | |
| 7 | 3-704-515-01 | SCREW (BV/RING) | |
| * 8 | 3-703-244-00 | BUSHING (2104), CORD (AEP,SP,AUS) | |
| 8 | 3-703-571-11 | BUSHING (S) (4516), CORD (US,CND,E,PX) | |

| Ref. No. | Part No. | Description | Remark |
|---------------|--------------|-----------------------------------|--------|
| * 9 | 3-669-610-00 | SPACER | |
| 10 | 4-977-591-01 | FOOT (F50150S)(EXCEPT US,CND) | |
| 10 | 4-977-591-11 | FOOT (F50150S)(US,CND) | |
| 12 | 2-122-805-01 | CLAMP, CORD | |
| * 13 | 3-847-356-02 | CLAMP | |
| Δ 14 | 1-569-007-11 | ADAPTOR, CONVERSION 2P (E) | |
| Δ CNP1 | 1-558-945-21 | CORD, POWER (POLAR.SPT-1)(US,CND) | |
| Δ CNP1 | 1-777-107-11 | CORD, POWER (AEP,SP) | |
| Δ CNP1 | 1-777-217-11 | CORD, POWER (E,PX) | |
| Δ CNP1 | 1-777-218-11 | CORD, POWER (AUS) | |
| Δ S703 | 1-692-155-11 | SELECTOR, POWER VOLTAGE (E,PX) | |
| Δ T701 | 1-429-716-11 | TRANSFORMER, POWER (US,CND) | |
| Δ T701 | 1-429-717-11 | TRANSFORMER, POWER (AEP,SP) | |
| Δ T701 | 1-429-718-11 | TRANSFORMER, POWER (E,PX) | |
| Δ T701 | 1-429-827-11 | TRANSFORMER, POWER (AUS) | |

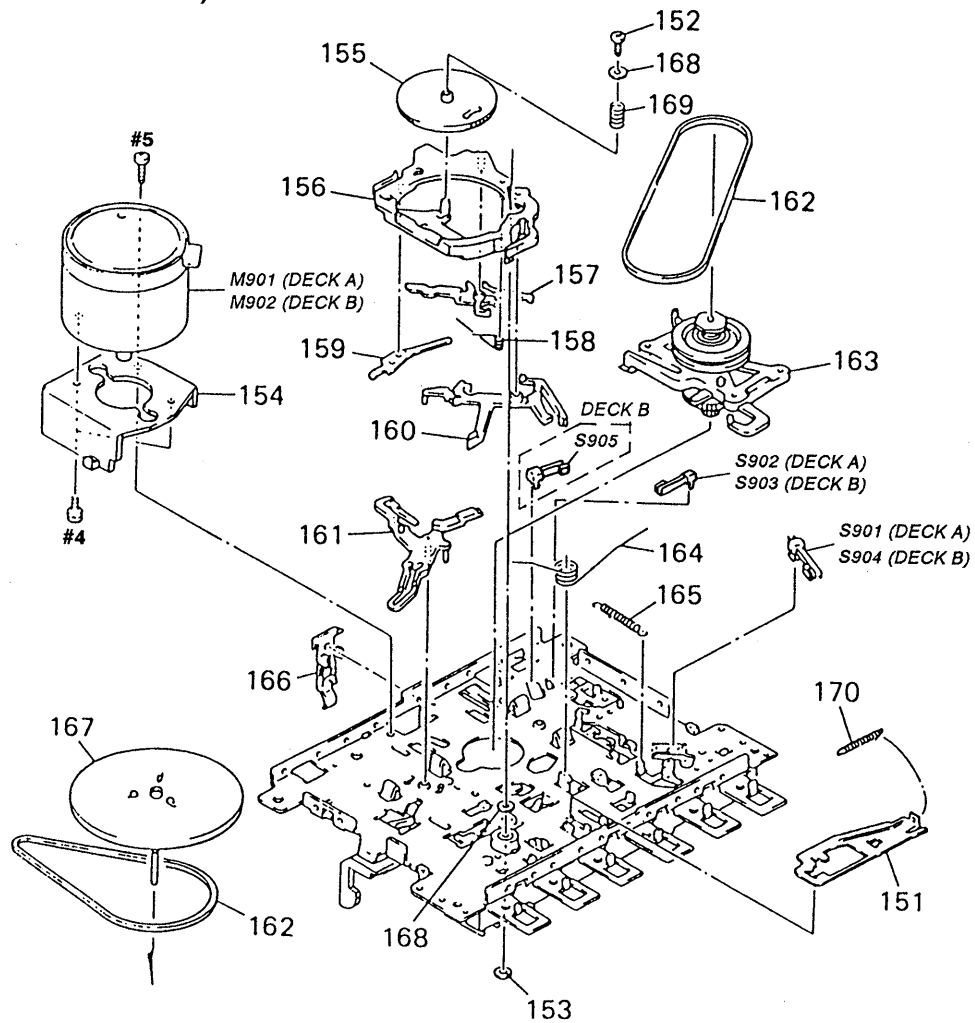
5-2.FRONT PANEL SECTION

▲ A : SW BOARD
▲ B : METER BOARD



| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|-----------------------------------|--------|----------|--------------|-------------------------------------|--------|
| * 51 | 4-978-398-21 | CUSHION | | 66 | 3-935-629-01 | BUTTON (PAUSE) | |
| 52 | 3-935-623-01 | KNOB (REC) | | 67 | 3-935-631-31 | BUTTON (MD) | |
| 53 | A-2004-584-A | PANEL ASSY, FRONT(US,CND) | | 68 | 1-251-440-11 | COUNTER, TAPE | |
| 53 | A-2004-597-A | PANEL ASSY, FRONT (EXCEPT US,CND) | | 69 | 3-315-405-00 | BELT | |
| 54 | A-2004-588-A | LID ASSY (R), CASSETTE | | 70 | 3-936-864-01 | RING (L), ORNAMENTAL(EXCEPT US,CND) | |
| 55 | 4-963-404-21 | EMBLEM (5-A), SONY | | 71 | 3-918-741-01 | SCREW | |
| 56 | A-2004-587-A | LID ASSY (L), CASSETTE | | * 72 | 3-931-794-01 | BUTTON, SHAFT | |
| 57 | 3-931-429-11 | BUTTON (POWER) | | 73 | 3-931-805-01 | SPRING | |
| 58 | 3-935-628-01 | BUTTON (PLAY) | | * 74 | 3-931-792-01 | BUTTON (R), HOLDER | |
| 59 | 3-935-631-01 | BUTTON (MD) | | * 75 | 3-931-793-01 | BUTTON (L), HOLDER | |
| 60 | 3-935-631-11 | BUTTON (MD) | | 76 | 3-931-806-01 | GEAR, HOLDER | |
| 61 | 3-935-631-21 | BUTTON (MD) | | 77 | 3-931-807-01 | DAMPER, GEAR | |
| 62 | 4-951-620-01 | SCREW (2.6X8), +BVTP | | 78 | 3-931-790-01 | SCREW | |
| 63 | 3-935-625-01 | KNOB (SL) | | * 79 | 3-931-804-01 | PLATE, KEEP | |
| 64 | 3-935-624-01 | BUTTON (DB) | | 80 | 3-931-803-01 | CASE, CASSETTE | |
| 65 | 3-935-630-01 | BUTTON (REC) | | #8 | 7-685-782-01 | SCREW +PTT 2X5 (S) | |

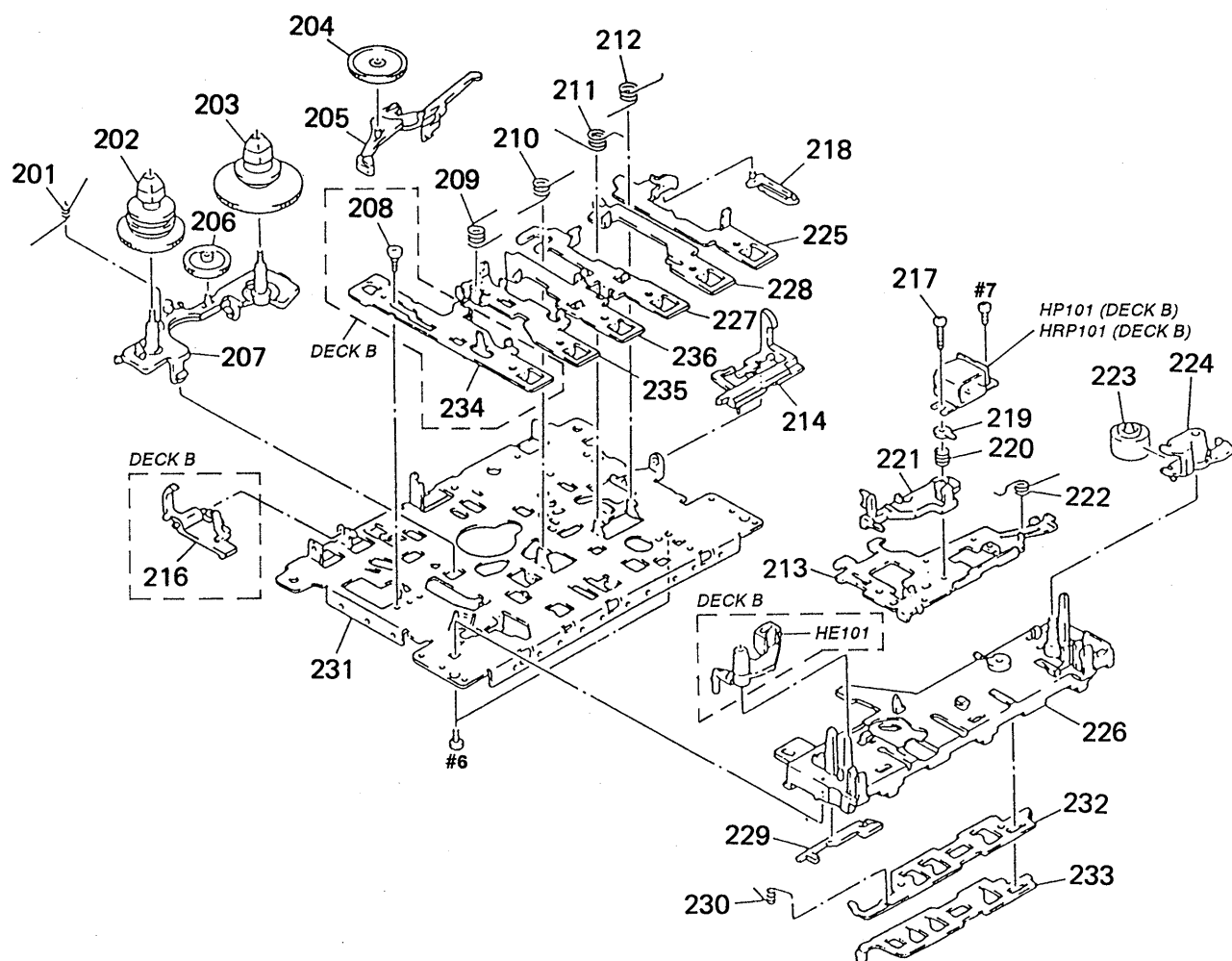
5-3. MECHANISM DECK SECTION 1
(TCM-YS47CZ-19 : DECK A)
(TCM-YS47CZ-18 : DECK B)



| Ref. No. | Part No. | Description | Remark |
|----------|--------------|-----------------|--------|
| 151 | 3-379-844-01 | PLATE, STOP, FR | |
| 152 | 3-366-352-01 | SCREW | |
| 153 | 3-362-980-01 | WASHER | |
| * 154 | 3-362-988-01 | HOLDER, MOTOR | |
| 155 | X-3363-315-1 | GEAR, CAM | |
| 156 | 3-362-973-01 | AS (BASE) | |
| 157 | 3-362-976-01 | LEVER, CONTROL | |
| 158 | 3-362-977-01 | SPRING | |
| 159 | 3-362-978-01 | SPRING, PLATE | |
| 160 | 3-362-975-01 | LEVER, SENSOR | |
| 161 | 3-387-697-01 | SENSOR | |
| 162 | 3-362-989-01 | BELT | |
| 163 | 3-362-969-01 | IDLER ASSY, PF | |
| 164 | 3-362-970-01 | SPRING | |

| Ref. No. | Part No. | Description | Remark |
|----------|--------------|------------------------------|--------|
| 165 | 3-362-971-01 | SPRING | |
| 166 | 3-911-189-01 | CASSETTE SPRING | |
| 167 | 3-387-698-01 | FW ASSY | |
| 168 | 3-369-961-01 | WASHER | |
| 169 | 3-369-962-01 | SPRING, COMPRESSION | |
| 170 | 3-379-843-01 | SPRING | |
| M901 | 1-698-845-11 | REEL/CAPSTAN MOTOR (DECK A) | |
| M902 | 1-698-845-11 | REEL/CAPSTAN MOTOR (DECK B) | |
| S901 | 1-692-434-11 | LEAF SWITCH (MOTOR) (DECK A) | |
| S902 | 1-692-434-11 | LEAF SWITCH (PLAY) (DECK A) | |
| S903 | 1-692-434-11 | LEAF SWITCH (MOTOR) (DECK B) | |
| S904 | 1-692-434-11 | LEAF SWITCH (PLAY) (DECK B) | |
| S905 | 1-692-434-11 | LEAF SWITCH (REC) (DECK B) | |

5-4. MECHANISM DECK SECTION 2
(TCM-YS47CZ-19 : DECK A)
(TCM-YS47CZ-18 : DECK B)



| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|---------------------|--------|----------|--------------|-------------------------------|--------|
| 201 | 3-917-805-01 | SPRING | | 221 | 3-362-986-01 | HOLDER, HEAD | |
| 202 | X-3363-611-1 | REEL, S | | 222 | 3-362-983-01 | SPRING | |
| 203 | 3-362-962-01 | REEL ASSY, T | | 223 | 3-362-982-01 | PINCH ROLLER | |
| 204 | 3-362-960-01 | PULLEY, IDLER | | 224 | 3-362-981-01 | PINCH ARM | |
| 205 | 3-362-959-01 | ARM, IDLER | | * 225 | 3-362-952-01 | LEVER, PAUSE | |
| 206 | 3-362-965-01 | IDLER, FF | | 226 | 3-362-942-01 | FRAME ASSY | |
| 207 | 3-362-961-01 | SPINDLE (BASE) | | * 227 | 3-362-950-01 | LEVER, FF | |
| 208 | 3-362-958-01 | SCREW (DECK B) | | * 228 | 3-362-951-01 | LEVER, SE | |
| 209 | 3-362-954-01 | SPRING | | 229 | 3-362-944-01 | STOPPER, REC | |
| 210 | 3-362-955-01 | SPRING | | 230 | 3-362-945-01 | SPRING | |
| 211 | 3-362-956-01 | SPRING | | * 231 | 3-362-941-01 | CHASSIS | |
| 212 | 3-362-957-01 | SPRING | | * 232 | 3-362-943-01 | PLATE, FUNCTION | |
| * 213 | 3-362-984-01 | HEAD (BASE) | | * 233 | 3-362-946-01 | LEVER, SW | |
| 214 | 3-362-968-01 | LEVER, EJECT | | * 234 | 3-362-947-01 | LEVER, REC (DECK B) | |
| 216 | 3-362-966-01 | INTER LOCK (DECK B) | | * 235 | 3-362-948-01 | LEVER, PLAY | |
| 217 | 3-363-229-01 | SCREW | | * 236 | 3-362-949-01 | LEVER, REW | |
| 218 | 3-362-953-01 | ARM, PAUSE | | HE101 | 1-543-673-11 | ERASE HEAD (DECK B) | |
| 219 | 3-363-230-01 | LUG | | HP101 | 1-543-672-11 | PLAYBACK HEAD (DECK A) | |
| 220 | 3-362-985-01 | SPRING | | HRP101 | 1-543-672-11 | PLAYBACK/RECORD HEAD (DECK B) | |

SECTION 6 ELECTRICAL PARTS LIST

MAIN **SW** **METER**

NOTE :

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms
METAL : Metal-film resistor
METAL OXIDE :Metal oxide-film resistor
F : nonflammable
- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

● SEMICONDUCTORS

In each case, u : μ , for example :

uA.... : μ A.... , uPA.... : μ PA....

uPB.... : μ PB.... , uPC.... : μ PC....

uPD.... : μ PD....

● CAPACITORS

uF : μ F

● COILS

uH : μ H

● Abbreviation

CND : Canadian

AUS : Australian

SP : Singapore

The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|-----------------------------------|------------------|----------|--------------|-------------|------------------|
| * | A-2007-564-A | MAIN BOARD, COMPLETE (US,AUS) | | C133 | 1-136-439-11 | FILM | 330PF 5% 630V |
| * | A-2007-589-A | MAIN BOARD, COMPLETE (AEPE,SP,PX) | | C134 | 1-124-903-11 | ELECT | 1uF 20% 50V |
| * | A-2007-594-A | MAIN BOARD, COMPLETE (CND) | | C135 | 1-126-963-11 | ELECT | 4.7uF 20% 50V |
| | | ***** | | C201 | 1-162-290-31 | CERAMIC | 470PF 10% 50V |
| | | SW BOARD | | C202 | 1-136-157-00 | FILM | 0.022uF 5% 50V |
| | | ***** | | | | | |
| | | METER BOARD | | C203 | 1-126-961-11 | ELECT | 2.2uF 20% 50V |
| | | ***** | | C204 | 1-162-290-31 | CERAMIC | 470PF 10% 50V |
| | | < CAPACITOR > | | C205 | 1-124-443-00 | ELECT | 100uF 20% 10V |
| | | | | C206 | 1-136-157-00 | FILM | 0.022uF 5% 50V |
| * | 1-535-688-11 | TERMINAL | | C207 | 1-126-961-11 | ELECT | 2.2uF 20% 50V |
| | | | | | | | |
| | | | | C208 | 1-124-907-11 | ELECT | 10uF 20% 50V |
| C101 | 1-162-290-31 | CERAMIC | 470PF 10% 50V | C209 | 1-124-907-11 | ELECT | 10uF 20% 50V |
| C102 | 1-136-157-00 | FILM | 0.022uF 5% 50V | C211 | 1-130-479-00 | MYLAR | 0.0047uF 5% 50V |
| C103 | 1-126-961-11 | ELECT | 2.2uF 20% 50V | C212 | 1-162-289-31 | CERAMIC | 390PF 10% 50V |
| C104 | 1-162-290-31 | CERAMIC | 470PF 10% 50V | C213 | 1-124-907-11 | ELECT | 10uF 20% 50V |
| C105 | 1-124-443-00 | ELECT | 100uF 20% 10V | | | | |
| | | | | C214 | 1-126-961-11 | ELECT | 2.2uF 20% 50V |
| C106 | 1-136-157-00 | FILM | 0.022uF 5% 50V | C215 | 1-136-165-00 | FILM | 0.1uF 5% 50V |
| C107 | 1-126-961-11 | ELECT | 2.2uF 20% 50V | C216 | 1-126-961-11 | ELECT | 2.2uF 20% 50V |
| C108 | 1-124-907-11 | ELECT | 10uF 20% 50V | C217 | 1-124-903-11 | ELECT | 1uF 20% 50V |
| C109 | 1-124-907-11 | ELECT | 10uF 20% 50V | C218 | 1-124-903-11 | ELECT | 1uF 20% 50V |
| C111 | 1-130-479-00 | MYLAR | 0.0047uF 5% 50V | | | | |
| | | | | C221 | 1-126-963-11 | ELECT | 4.7uF 20% 50V |
| C112 | 1-162-289-31 | CERAMIC | 390PF 10% 50V | C222 | 1-124-902-00 | ELECT | 0.47uF 20% 50V |
| C113 | 1-124-443-00 | ELECT | 100uF 20% 10V | C223 | 1-126-963-11 | ELECT | 4.7uF 20% 50V |
| C114 | 1-126-961-11 | ELECT | 2.2uF 20% 50V | C224 | 1-124-907-11 | ELECT | 10uF 20% 50V |
| C115 | 1-136-165-00 | FILM | 0.1uF 5% 50V | C225 | 1-162-600-11 | CERAMIC | 0.0047uF 30% 16V |
| C116 | 1-126-961-11 | ELECT | 2.2uF 20% 50V | | | | |
| | | | | C226 | 1-124-907-11 | ELECT | 10uF 20% 50V |
| C117 | 1-124-903-11 | ELECT | 1uF 20% 50V | C227 | 1-126-961-11 | ELECT | 2.2uF 20% 50V |
| C118 | 1-124-903-11 | ELECT | 1uF 20% 50V | C231 | 1-136-433-11 | FILM | 100PF 5% 630V |
| C121 | 1-126-963-11 | ELECT | 4.7uF 20% 50V | C232 | 1-162-284-31 | CERAMIC | 150PF 10% 50V |
| C122 | 1-124-902-00 | ELECT | 0.47uF 20% 50V | C233 | 1-136-439-11 | FILM | 330PF 5% 630V |
| C123 | 1-126-963-11 | ELECT | 4.7uF 20% 50V | | | | |
| | | | | C234 | 1-124-903-11 | ELECT | 1uF 20% 50V |
| C124 | 1-124-907-11 | ELECT | 10uF 20% 50V | C235 | 1-126-963-11 | ELECT | 4.7uF 20% 50V |
| C125 | 1-162-600-11 | CERAMIC | 0.0047uF 30% 16V | C501 | 1-126-233-11 | ELECT | 22uF 20% 50V |
| C126 | 1-124-907-11 | ELECT | 10uF 20% 50V | C502 | 1-124-907-11 | ELECT | 10uF 20% 50V |
| C127 | 1-126-961-11 | ELECT | 2.2uF 20% 50V | C503 | 1-126-233-11 | ELECT | 22uF 20% 50V |
| C131 | 1-136-433-11 | FILM | 100PF 5% 630V | | | | |
| C132 | 1-162-284-31 | CERAMIC | 150PF 10% 50V | C504 | 1-124-902-00 | ELECT | 0.47uF 20% 50V |

| | | |
|------|----|-------|
| MAIN | SW | METER |
|------|----|-------|

| Ref. No. | Part No. | Description | | | Remark |
|---------------|--------------|---|----------|-----|------------------|
| C505 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C511 | 1-136-601-11 | FILM | 0.01uF | 5% | 630V |
| C512 | 1-136-562-11 | FILM | 0.0082uF | 5% | 630V |
| C513 | 1-136-177-00 | FILM | 1uF | 5% | 50V |
| C514 | 1-136-174-00 | FILM | 0.56uF | 5% | 50V |
| C515 | 1-106-365-00 | MYLAR | 0.0082uF | 5% | 100V |
| C516 | 1-106-355-12 | MYLAR | 3300PF | 5% | 200V |
| C517 | 1-106-355-12 | MYLAR | 3300PF | 5% | 200V |
| C518 | 1-124-902-00 | ELECT | 0.47uF | 20% | 50V |
| C519 | 1-124-120-11 | ELECT | 220uF | 20% | 25V |
| C520 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C521 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C522 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C701 | 1-124-557-11 | ELECT | 1000uF | 20% | 25V |
| C702 | 1-124-557-11 | ELECT | 1000uF | 20% | 25V |
| C704 | 1-124-120-11 | ELECT | 220uF | 20% | 25V |
| C705 | 1-124-120-11 | ELECT | 220uF | 20% | 25V |
| C706 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C707 | 1-124-473-11 | ELECT | 1000uF | 20% | 10V |
| C708 | 1-124-472-11 | ELECT | 470uF | 20% | 10V |
| C710 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C711 | 1-124-119-00 | ELECT | 330uF | 20% | 16V |
| C712 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| △C903 | 1-165-170-11 | CERAMIC | 0.0047uF | 20% | 400V (AEP,SP) |
| < CONNECTOR > | | | | | |
| CN501 | 1-506-986-11 | PIN, CONNECTOR (PC BOARD) 4P | | | |
| * CN502 | 1-691-577-11 | PIN, CONNECTOR (PC BOARD) 6P | | | |
| * CN503 | 1-691-573-11 | PIN, CONNECTOR (PC BOARD) 2P | | | |
| * CN504 | 1-691-579-11 | PIN, CONNECTOR (PC BOARD) 8P | | | |
| * CN505 | 1-691-581-11 | PIN, CONNECTOR (PC BOARD) 10P | | | |
| * CN506 | 1-560-060-00 | PIN, CONNECTOR 2P | | | |
| * CN701 | 1-691-573-11 | PIN, CONNECTOR (PC BOARD) 2P (EXCEPT AEP,SP) | | | |
| * CN702 | 1-535-116-00 | TERMINAL(US,CND,AUS) | | | |
| * CN702 | 1-691-574-11 | PIN, CONNECTOR (PC BOARD) 3P (AEP,E,SP,PX) | | | |
| * CN801 | 1-691-581-11 | PIN, CONNECTOR (PC BOARD) 10P | | | |
| * CN802 | 1-691-577-11 | PIN, CONNECTOR (PC BOARD) 6P | | | |
| CN803 | 1-506-987-11 | PIN, CONNECTOR (PC BOARD) 5P | | | |
| < DIODE > | | | | | |
| D101 | 8-719-304-37 | LED SEL4414E-C(PEAK LEVEL METER) | | | |
| D102 | 8-719-304-37 | LED SEL4414E-C(PEAK LEVEL METER) | | | |
| D103 | 8-719-304-37 | LED SEL4414E-C(PEAK LEVEL METER) | | | |
| D103 | 8-719-304-37 | LED SEL4414E-C(PEAK LEVEL METER) | | | |
| D104 | 8-719-304-37 | LED SEL4414E-C(PEAK LEVEL METER) | | | |
| D105 | 8-719-304-37 | LED SEL4414E-C(PEAK LEVEL METER) | | | |
| D106 | 8-719-304-32 | LED SEL4214S (PEAK LEVEL METER) | | | |
| D107 | 8-719-304-32 | LED SEL4214S (PEAK LEVEL METER) | | | |
| D201 | 8-719-304-37 | LED SEL4414E-C(PEAK LEVEL METER) | | | |
| D202 | 8-719-304-37 | LED SEL4414E-C(PEAK LEVEL METER) | | | |

| Ref. No. | Part No. | Description | Remark |
|----------|--------------|--------------------------------------|------------------------|
| D203 | 8-719-304-37 | LED SEL4414E-C(PEAK LEVEL METER) | |
| D204 | 8-719-304-37 | LED SEL4414E-C(PEAK LEVEL METER) | |
| D205 | 8-719-304-37 | LED SEL4414E-C(PEAK LEVEL METER) | |
| D206 | 8-719-304-32 | LED SEL4214S (PEAK LEVEL METER) | |
| D207 | 8-719-304-32 | LED SEL4214S (PEAK LEVEL METER) | |
| D501 | 8-719-987-63 | DIODE 1N4148M | |
| D502 | 8-719-987-63 | DIODE 1N4148M | |
| D503 | 8-719-987-63 | DIODE 1N4148M | |
| D504 | 8-719-987-63 | DIODE 1N4148M | |
| D505 | 8-719-987-63 | DIODE 1N4148M | |
| D506 | 8-719-987-63 | DIODE 1N4148M | |
| D507 | 8-719-987-63 | DIODE 1N4148M | |
| D508 | 8-719-987-63 | DIODE 1N4148M | |
| D509 | 8-719-987-63 | DIODE 1N4148M | |
| D510 | 8-719-987-63 | DIODE 1N4148M | |
| D511 | 8-719-987-63 | DIODE 1N4148M | |
| D701 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D702 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D703 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D704 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D705 | 8-719-000-75 | DIODE UZL-7L1 | |
| D706 | 8-719-987-63 | DIODE 1N4148M | |
| D711 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D712 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D713 | 8-719-987-63 | DIODE 1N4148M | |
| D714 | 8-719-987-63 | DIODE 1N4148M | |
| D715 | 8-719-987-63 | DIODE 1N4148M | |
| D716 | 8-719-933-47 | DIODE HZS7B2L | |
| D717 | 8-719-987-63 | DIODE 1N4148M | |
| D718 | 8-719-933-33 | DIODE HZS6A1L | |
| D801 | 8-719-987-63 | DIODE 1N4148M | |
| D802 | 8-719-987-63 | DIODE 1N4148M | |
| D803 | 8-719-987-63 | DIODE 1N4148M | |
| D804 | 8-719-987-63 | DIODE 1N4148M | |
| D807 | 8-719-302-46 | LED SEL1210S-C-TP3(RECORD) | |
| D808 | 8-719-302-46 | LED SEL1210S-C-TP3(DUBBING SPEED HIG | |
| D809 | 8-719-302-46 | LED SEL1210S-C-TP3 | (DUBBING SPEED NORMAL) |
| < IC > | | | |
| IC101 | 8-759-111-44 | IC uPC4570C-1 | |
| IC102 | 8-759-111-44 | IC uPC4570C-1 | |
| IC103 | 8-759-000-49 | IC MC14066BCP | |
| IC104 | 8-752-056-08 | IC CXA1551P | |
| IC105 | 8-752-064-96 | IC CXA1579P | |
| IC106 | 8-759-634-51 | IC M5218AP | |
| IC107 | 8-759-079-42 | IC uPC1330HA-NA | |
| IC108 | 8-759-912-79 | IC IR2E02 | |
| IC208 | 8-759-912-79 | IC IR2E02 | |
| IC501 | 8-759-040-01 | IC MC14001BCP | |
| IC502 | 8-759-140-11 | IC uPD4011BC | |

| | |
|---|---|
| The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified. | Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié. |
|---|---|

| Ref. No. | Part No. | Description | Remark | | Ref. No. | Part No. | Description | Remark | |
|----------|--------------|----------------------------|--------|--|----------|--------------|----------------|--------|--|
| | | < JACK > | | | | | | | |
| J101 | 1-770-614-11 | JACK, PIN 4P (LINE IN,OUT) | | | R106 | 1-247-807-31 | CARBON 100 5% | 1/4W | |
| | | < COIL > | | | R107 | 1-249-433-11 | CARBON 22K 5% | 1/4W | |
| L101 | 1-410-781-11 | INDUCTOR 33mH | | | R108 | 1-247-881-00 | CARBON 120K 5% | 1/4W | |
| L201 | 1-410-781-11 | INDUCTOR 33mH | | | R109 | 1-247-850-11 | CARBON 6.2K 5% | 1/4W | |
| | | < FILTER > | | | R110 | 1-247-856-00 | CARBON 11K 5% | 1/4W | |
| LPF101 | 1-233-380-11 | FILTER, LOW PASS | | | R111 | 1-249-431-11 | CARBON 15K 5% | 1/4W | |
| LPF201 | 1-233-380-11 | FILTER, LOW PASS | | | R112 | 1-247-887-00 | CARBON 220K 5% | 1/4W | |
| | | < IC LINK> | | | R113 | 1-215-451-00 | METAL 18K 1% | 1/4W | |
| △ P701 | 1-532-637-00 | LINK, IC(1A)(CND,AEP,SP) | | | R114 | 1-249-433-11 | CARBON 22K 5% | 1/4W | |
| △ P702 | 1-532-637-00 | LINK, IC(1A)(CND,AEP,SP) | | | R115 | 1-249-441-11 | CARBON 100K 5% | 1/4W | |
| | | < TRANSISTOR > | | | R116 | 1-249-429-11 | CARBON 10K 5% | 1/4W | |
| Q101 | 8-729-900-89 | TRANSISTOR DTC144ES | | | R117 | 1-249-423-11 | CARBON 3.3K 5% | 1/4W | |
| Q102 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | | | R118 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W | |
| Q103 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | | | R120 | 1-249-434-11 | CARBON 27K 5% | 1/4W | |
| Q201 | 8-729-900-89 | TRANSISTOR DTC144ES | | | R121 | 1-249-409-11 | CARBON 220 5% | 1/4W | |
| Q202 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | | | R122 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W | |
| Q203 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | | | R123 | 1-249-426-11 | CARBON 5.6K 5% | 1/4W | |
| Q501 | 8-729-900-65 | TRANSISTOR DTA144ES | | | R124 | 1-247-887-00 | CARBON 220K 5% | 1/4W | |
| Q503 | 8-729-900-74 | TRANSISTOR DTC143TS | | | R125 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W | |
| Q504 | 8-729-900-80 | TRANSISTOR DTC114ES | | | R128 | 1-249-441-11 | CARBON 100K 5% | 1/4W | |
| Q505 | 8-729-900-89 | TRANSISTOR DTC144ES | | | R129 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W | |
| Q506 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | R130 | 1-249-417-11 | CARBON 1K 5% | 1/4W | |
| Q507 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | R131 | 1-249-428-11 | CARBON 8.2K 5% | 1/4W | |
| Q508 | 8-729-900-65 | TRANSISTOR DTA144ES | | | R133 | 1-249-429-11 | CARBON 10K 5% | 1/4W | |
| Q509 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | | | R135 | 1-247-840-00 | CARBON 2.4K 5% | 1/4W | |
| Q510 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | | | R136 | 1-249-441-11 | CARBON 100K 5% | 1/4W | |
| Q511 | 8-729-900-89 | TRANSISTOR DTC144ES | | | R137 | 1-247-883-00 | CARBON 150K 5% | 1/4W | |
| Q512 | 8-729-900-89 | TRANSISTOR DTC144ES | | | R138 | 1-249-433-11 | CARBON 22K 5% | 1/4W | |
| Q515 | 8-729-142-46 | TRANSISTOR 2SC2001-LK | | | R141 | 1-249-428-11 | CARBON 8.2K 5% | 1/4W | |
| Q516 | 8-729-142-46 | TRANSISTOR 2SC2001-LK | | | R142 | 1-249-424-11 | CARBON 3.9K 5% | 1/4W | |
| Q517 | 8-729-142-46 | TRANSISTOR 2SC2001-LK | | | R201 | 1-247-889-00 | CARBON 270K 5% | 1/4W | |
| Q518 | 8-729-900-65 | TRANSISTOR DTA144ES | | | R202 | 1-247-807-31 | CARBON 100 5% | 1/4W | |
| Q701 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | | | R203 | 1-247-850-11 | CARBON 6.2K 5% | 1/4W | |
| Q702 | 8-729-119-78 | TRANSISTOR 2SC403SP-51 | | | R204 | 1-247-881-00 | CARBON 120K 5% | 1/4W | |
| Q703 | 8-729-141-83 | TRANSISTOR 2SB1094-LK | | | R205 | 1-247-889-00 | CARBON 270K 5% | 1/4W | |
| Q704 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | R206 | 1-247-807-31 | CARBON 100 5% | 1/4W | |
| Q705 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | R207 | 1-249-433-11 | CARBON 22K 5% | 1/4W | |
| Q706 | 8-729-209-15 | TRANSISTOR 2SD2012 | | | R208 | 1-247-881-00 | CARBON 120K 5% | 1/4W | |
| | | < RESISTOR > | | | R209 | 1-247-850-11 | CARBON 6.2K 5% | 1/4W | |
| R101 | 1-247-889-00 | CARBON 270K 5% | 1/4W | | R210 | 1-247-856-00 | CARBON 11K 5% | 1/4W | |
| R102 | 1-247-807-31 | CARBON 100 5% | 1/4W | | R211 | 1-249-431-11 | CARBON 15K 5% | 1/4W | |
| R103 | 1-247-850-11 | CARBON 6.2K 5% | 1/4W | | R212 | 1-247-887-00 | CARBON 220K 5% | 1/4W | |
| R104 | 1-247-881-00 | CARBON 120K 5% | 1/4W | | R213 | 1-247-807-31 | CARBON 100 5% | 1/4W | |
| R105 | 1-247-889-00 | CARBON 270K 5% | 1/4W | | R214 | 1-249-401-11 | CARBON 47 5% | 1/4W | |
| | | | | | R215 | 1-249-441-11 | CARBON 100K 5% | 1/4W | |
| | | | | | R216 | 1-249-429-11 | CARBON 10K 5% | 1/4W | |
| | | | | | R217 | 1-249-423-11 | CARBON 3.3K 5% | 1/4W | |
| | | | | | R218 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W | |
| | | | | | R220 | 1-249-434-11 | CARBON 27K 5% | 1/4W | |
| | | | | | R221 | 1-249-409-11 | CARBON 220 5% | 1/4W | |
| | | | | | R222 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W | |

| | |
|--|--|
| <p>The components identified by mark △ or dotted line with mark △ are critical for safety.</p> <p>Replace only with part number specified.</p> | <p>Les composants identifiés par une marque △ sont critiques pour la sécurité.</p> <p>Ne les remplacer que par une pièce portant le numéro spécifié.</p> |
|--|--|

MAIN SW METER

| Ref. No. | Part No. | Description | | | Remark |
|----------|--------------|-------------|------|----|--------|
| R223 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W |
| R224 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| R225 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R228 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R229 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R230 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R231 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R233 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R235 | 1-247-840-00 | CARBON | 2.4K | 5% | 1/4W |
| R236 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R237 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W |
| R238 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R241 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R242 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W |
| R501 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R502 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R503 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R504 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R505 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R506 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R507 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R508 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R509 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R510 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R511 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R512 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W |
| R513 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R514 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R515 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R517 | 1-247-856-00 | CARBON | 11K | 5% | 1/4W |
| R518 | 1-247-852-11 | CARBON | 7.5K | 5% | 1/4W |
| R519 | 1-247-856-00 | CARBON | 11K | 5% | 1/4W |
| R520 | 1-247-852-11 | CARBON | 7.5K | 5% | 1/4W |
| R521 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W |
| R522 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R523 | 1-247-862-11 | CARBON | 20K | 5% | 1/4W |
| R524 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R525 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R526 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| △ R527 | 1-212-849-00 | FUSIBLE | 4.7 | 5% | 1/4W F |
| △ R528 | 1-212-849-00 | FUSIBLE | 4.7 | 5% | 1/4W F |
| R529 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R530 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R531 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R532 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R533 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R534 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R535 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R536 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R701 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R702 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R703 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |

| Ref. No. | Part No. | Description | | | Remark |
|-----------------------|--------------|--|------|----|--------|
| R704 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R705 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R706 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W |
| R707 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R709 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W |
| R710 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R711 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R712 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R713 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R714 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R715 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R811 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R812 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W |
| R813 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R815 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W |
| R821 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R822 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W |
| R823 | 1-247-838-00 | CARBON | 2K | 5% | 1/4W |
| < VARIABLE RESISTOR > | | | | | |
| RV101 | 1-241-630-11 | RES, ADJ, CARBON 10K (PLAYBACK LEVEL(L-CH))(DECK A) | | | |
| RV102 | 1-241-630-11 | RES, ADJ, CARBON 10K (PLAYBACK LEVEL(L-CH))(DECK B) | | | |
| RV103 | 1-241-630-11 | RES, ADJ, CARBON 10K (REC LEVEL(L-CH)) | | | |
| RV105 | 1-241-768-11 | RES, ADJ, CARBON 220K (REC BIAS(L-CH)) | | | |
| RV107 | 1-223-850-11 | RES, VAR, CARBON 20K/20K(REC LEVEL) | | | |
| RV201 | 1-241-630-11 | RES, ADJ, CARBON 10K (PLAYBACK LEVEL(R-CH))(DECK A) | | | |
| RV202 | 1-241-630-11 | RES, ADJ, CARBON 10K (PLAYBACK LEVEL(R-CH))(DECK B) | | | |
| RV203 | 1-241-630-11 | RES, ADJ, CARBON 10K (REC LEVEL(R-CH)) | | | |
| RV205 | 1-241-768-11 | RES, ADJ, CARBON 220K (REC BIAS(R-CH)) | | | |
| RV501 | 1-241-762-11 | RES, ADJ, CARBON 2.2K (TAPE SPEED(HIGH))(DECK A) | | | |
| RV502 | 1-241-762-11 | RES, ADJ, CARBON 2.2K (TAPE SPEED(NORMAL))(DECK A) | | | |
| RV503 | 1-241-762-11 | RES, ADJ, CARBON 2.2K (TAPE SPEED(HIGH))(DECK B) | | | |
| RV504 | 1-241-762-11 | RES, ADJ, CARBON 2.2K (TAPE SPEED(NORMAL))(DECK B) | | | |
| < SWITCH > | | | | | |
| S701 | 1-762-580-11 | SWITCH, PUSH (1 KEY)(POWER) (US,CND,E,AUS,PX) | | | |
| △ S702 | 1-762-581-11 | SWITCH, AC POWER PUSH (1 KEY)(POWER) (AEP,SP) | | | |
| △ S703 | 1-692-155-11 | SELECTOR POWER VOLTAGE (VOLTAGE SELECTOR) (E,PX) | | | |
| S801 | 1-762-251-11 | SWITCH, SLIDE(DOLBY NR) | | | |
| S802 | 1-762-251-11 | SWITCH, SLIDE(DECK A TAPE TYPE) | | | |
| S803 | 1-762-747-11 | SWITCH, PUSH (DUBBING SPEED) | | | |
| S804 | 1-762-748-11 | SWITCH, SLIDE(DECK B TAPE TYPE) | | | |

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

| Ref. No. | Part No. | Description | Remark |
|---------------------------------|--|---|--------|
| < TRANSFORMER > | | | |
| T501 | 1-427-780-11 | TRANSFORMER, BIAS OSCILLATION | |
| ***** | | | |
| MISCELLANEOUS | | | |
| ***** | | | |
| △ 14 | 1-569-007-11 | ADAPTOR, CONVERSION 2P (E) | |
| 68 | 1-251-440-11 | COUNTER, TAPE | |
| △ CNP1 | 1-558-945-21 | CORD, POWER (POLAR.SPT-1)(US,CND) | |
| △ CNP1 | 1-777-107-11 | CORD, POWER (AEP,SP) | |
| △ CNP1 | 1-777-217-11 | CORD, POWER (E,PX) | |
| △ CNP1 | 1-777-218-11 | CORD, POWER (AUS) | |
| HE101 | 1-543-673-11 | ERASE HEAD (DECK B) | |
| HP101 | 1-543-672-11 | PLAYBACK HEAD (DECK A) | |
| HRP101 | 1-543-672-11 | PLAYBACK/RECORD HEAD (DECK B) | |
| M901 | 1-698-845-11 | REEL/CAPSTAN MOTOR (DECK A) | |
| M902 | 1-698-845-11 | REEL/CAPSTAN MOTOR (DECK B) | |
| △ S703 | 1-692-155-11 | SELECTOR,POWER VOLTAGE (VOLTAGE SELECTOR) (E,PX) | |
| S901 | 1-692-434-11 | LEAF SWITCH (MOTOR) (DECK A) | |
| S902 | 1-692-434-11 | LEAF SWITCH (PLAY) (DECK A) | |
| S903 | 1-692-434-11 | LEAF SWITCH (MOTOR) (DECK B) | |
| S904 | 1-692-434-11 | LEAF SWITCH (PLAY) (DECK B) | |
| S905 | 1-692-434-11 | LEAF SWITCH (REC) (DECK B) | |
| △ T701 | 1-429-716-11 | TRANSFORMER POWER (US,CND) | |
| △ T701 | 1-429-717-11 | TRANSFORMER POWER (AEP,SP) | |
| △ T701 | 1-429-718-11 | TRANSFORMER POWER (E,PX) | |
| △ T701 | 1-429-827-11 | TRANSFORMER POWER (AUS) | |
| ***** | | | |
| ACCESSORIES & PACKING MATERIALS | | | |
| ***** | | | |
| 1-558-271-11 | CORD, CONNECTION | | |
| 3-856-686-11 | MANUAL, INSTRUCTION (US,CND,AUS,SP) (ENGLISH) | | |
| 3-856-686-21 | MANUAL, INSTRUCTION (CND) (FRENCH) | | |
| 3-856-686-31 | MANUAL, INSTRUCTION (AEP,E,PX) (ENGLISH,FRENCH,SPANISH,CHINESE) | | |
| 3-856-686-41 | MANUAL, INSTRUCTION (AEP,SP) (GERMAN,DUTCH,SWEDISH,ITALIAN) | | |
| * | 3-936-921-01 | CUSHION | |
| * | 3-936-940-01 | INDIVIDUAL CARTON (AEP,SP) | |
| * | 3-936-941-01 | INDIVIDUAL CARTON (EXCEPT AEP,SP) | |
| ***** | | | |

| Ref. No. | Part No. | Description | Remark |
|---------------|--------------|-----------------------------|--------|
| ***** | | | |
| HARDWARE LIST | | | |
| ***** | | | |
| #1 | 7-682-548-04 | SCREW +BVTT 3X8 (S) | |
| #2 | 7-685-871-01 | SCREW +BVTT 3X6 (S) | |
| #3 | 7-621-255-45 | SCREW +P 2X6 (E) | |
| #4 | 7-628-254-05 | SCREW +PS 2.6X5 | |
| #5 | 7-685-861-01 | SCREW +BVTT 2.6X5 (S) | |
| #6 | 7-685-104-19 | SCREW +P 2X6 TYPE2 NON SLIT | |
| #7 | 7-621-255-25 | SCREW +PTT 2X4 (S) | |
| #8 | 7-685-782-01 | SCREW +PTT 2X5 (S) | |

| | |
|---|---|
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|---|---|

TC-WE305

SONY®

SERVICE MANUAL

Ver 1.2 2003.12

US Model
Canadian Model
AEP Model
E Model
Australian Model
PX Model

SUPPLEMENT - 1

File this Supplement with the Service Manual.

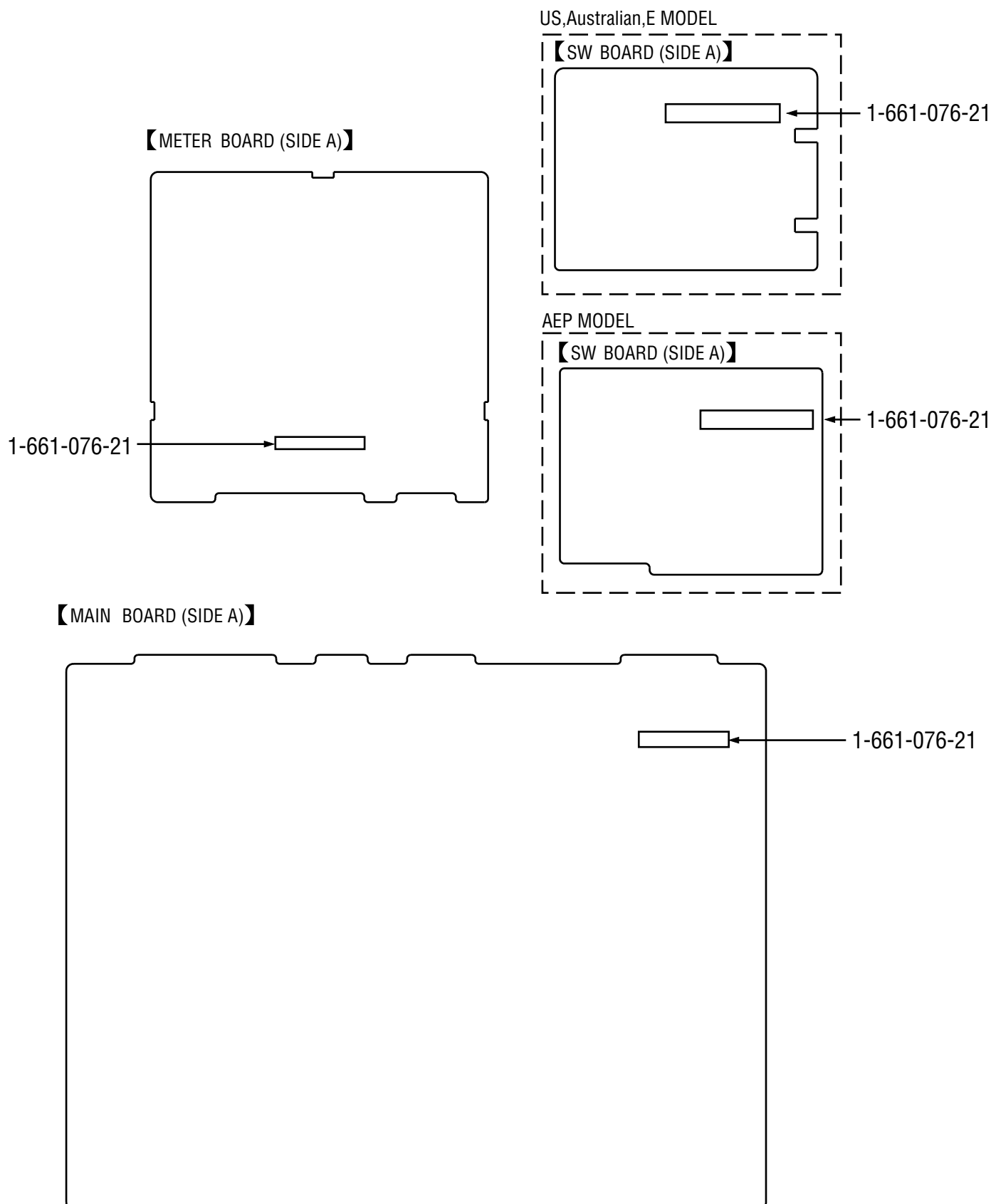
Subject : SUFFIX CHANGE OF THE MAIN, SW AND METER
BOARD

(ECN-TCA00478)

● CHANGE OF MAIN BOARD

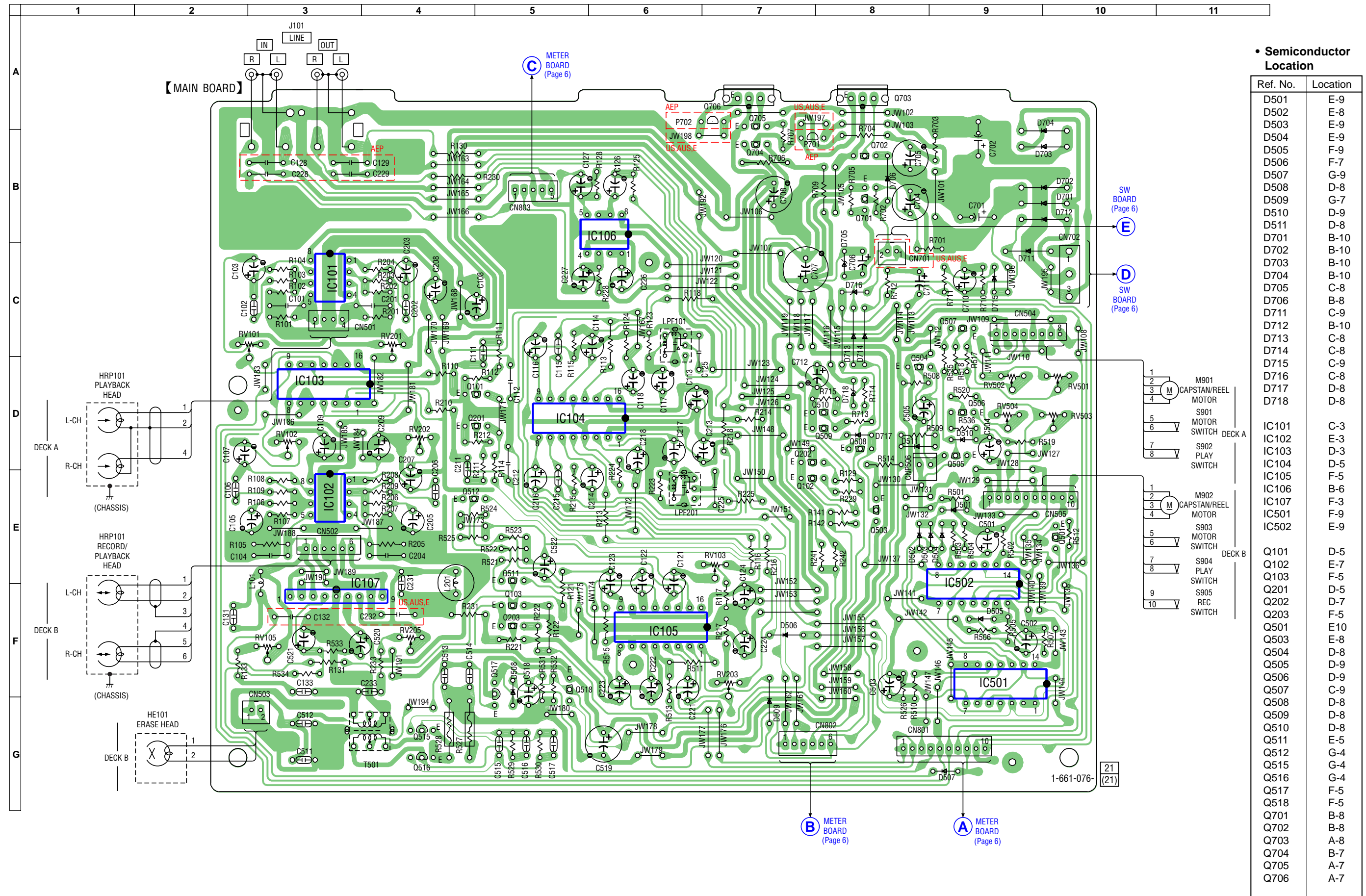
The main, SW and meter boards of US, AEP, Australian and E model were changed (CND, SP and PX model are not changed).
 Printed wiring board and schematic diagram of new type, and changed parts list are described in this Supplement-1.
 Refer to original service manual (9-960-691-13) previously issued for the other information.

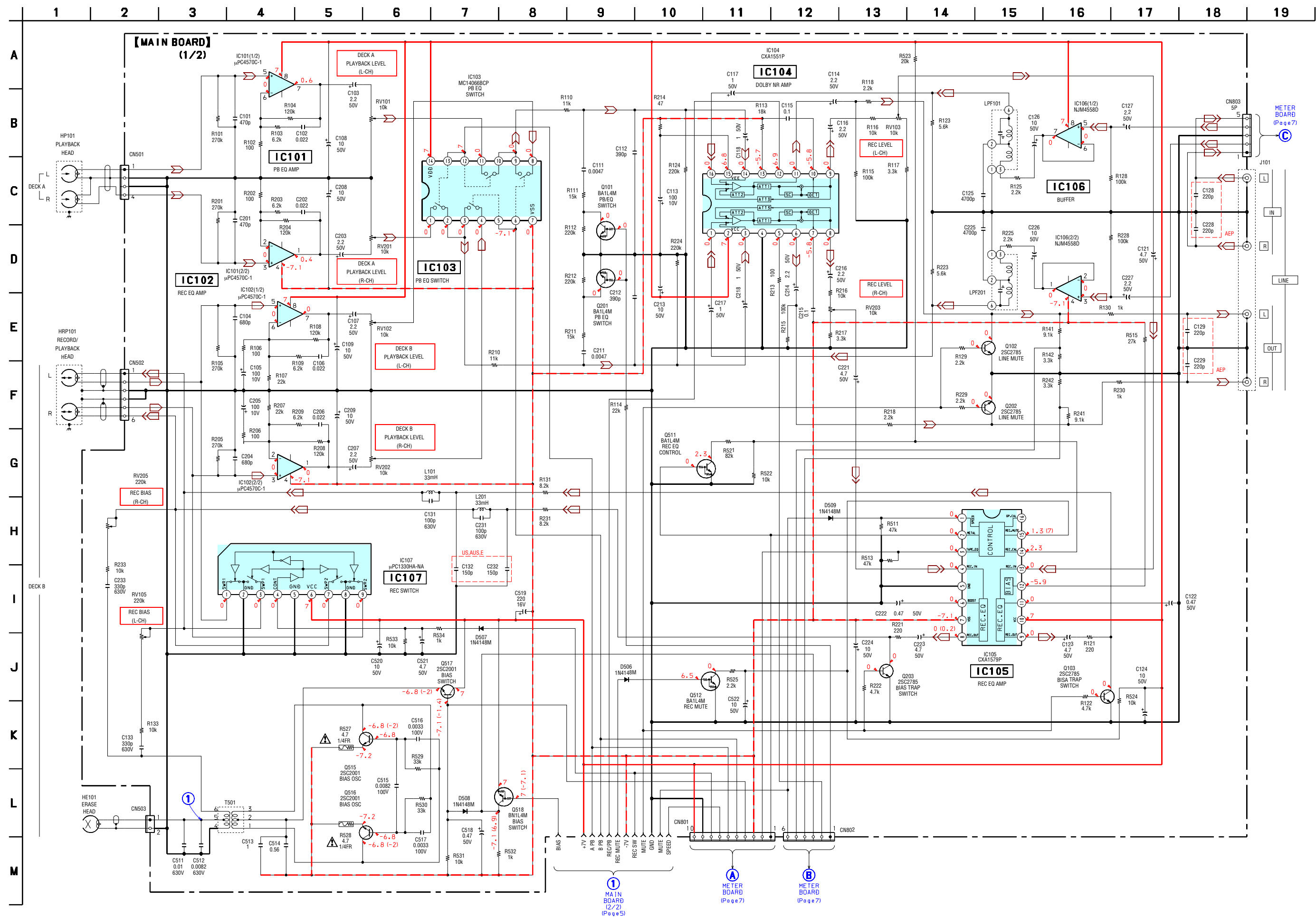
NEW TYPE IDENTIFICATION (US, AEP, Australian, E model)



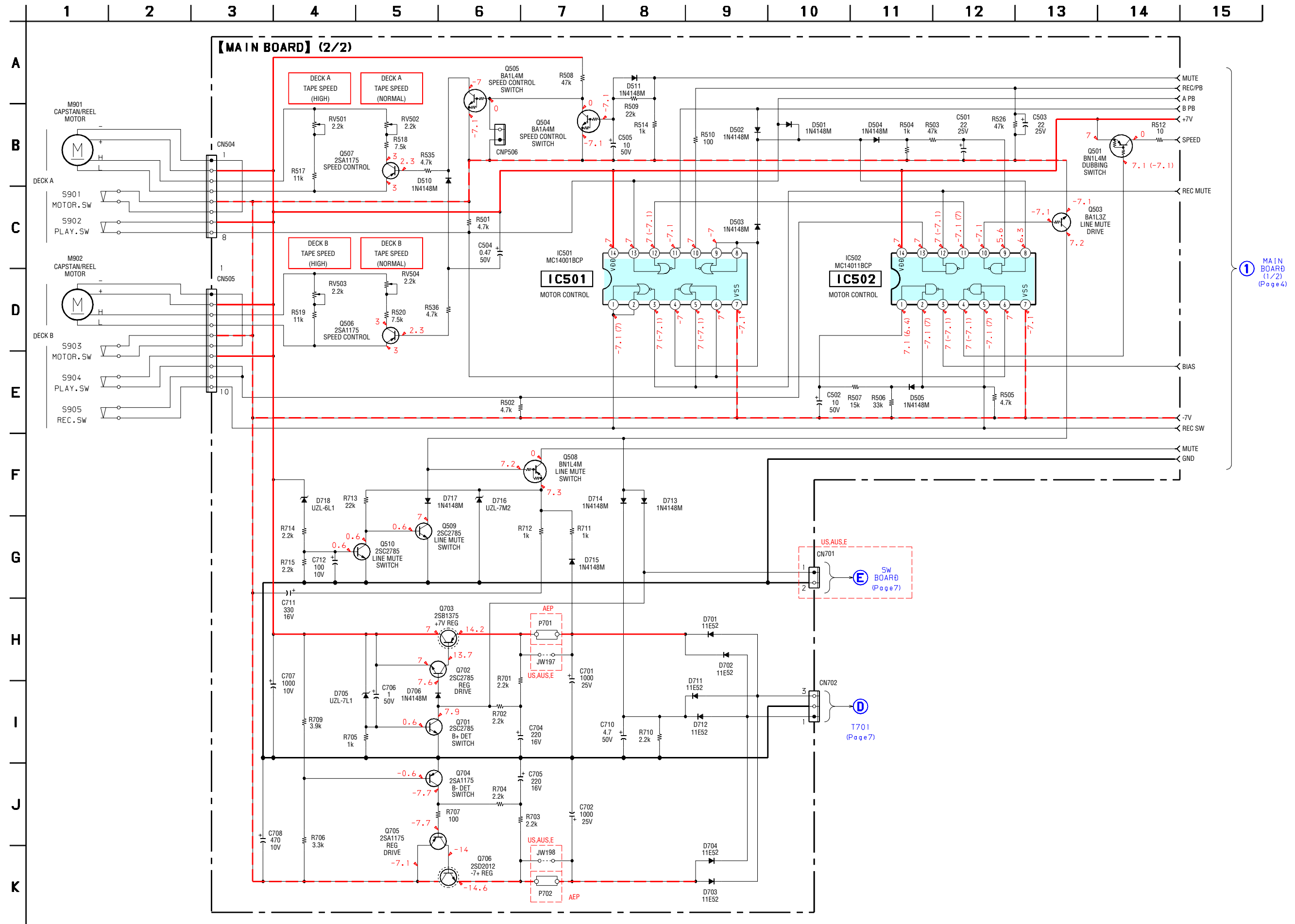
DIAGRAMS

PRINTED WIRING BOARDS –MAIN Section–

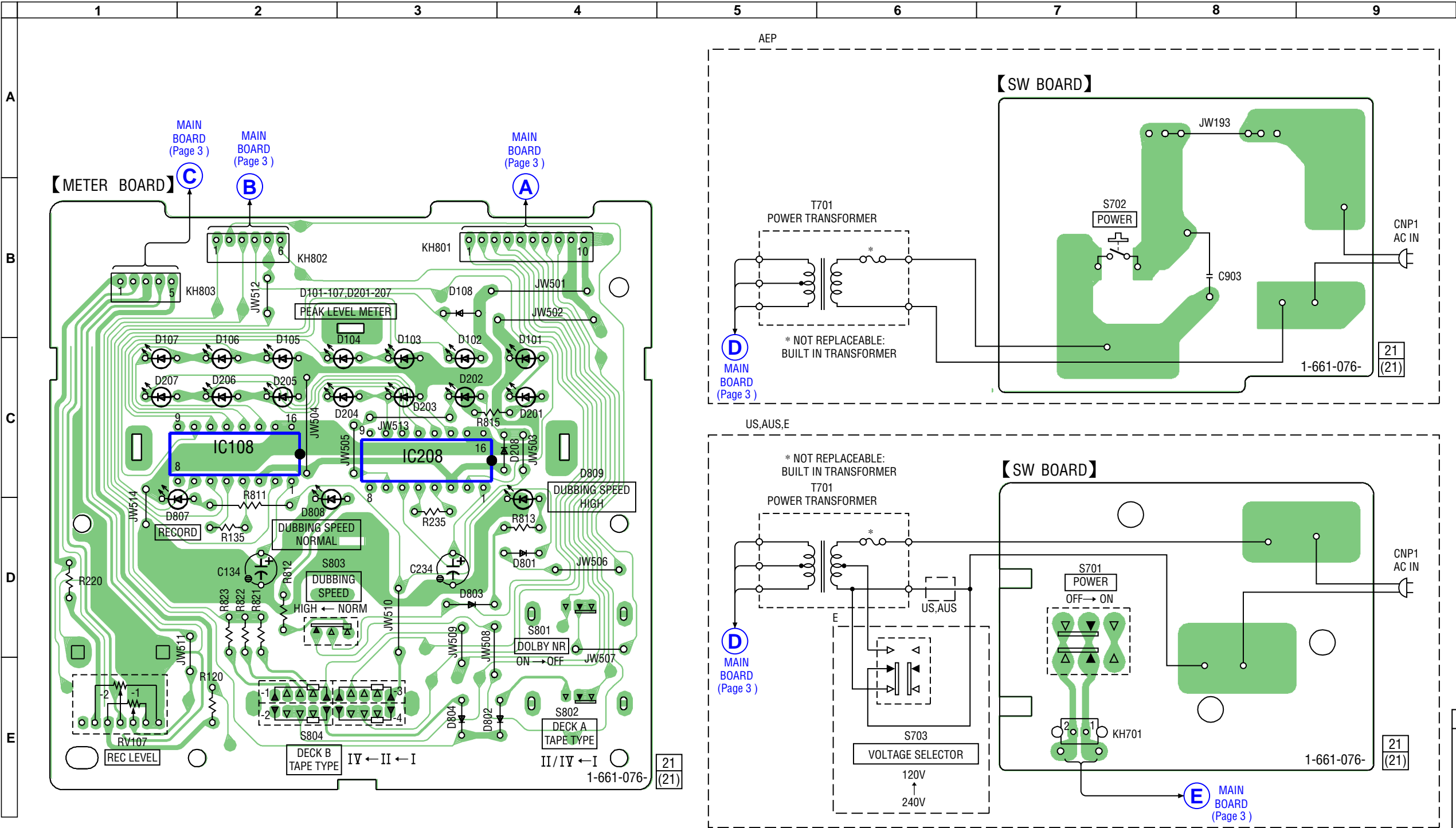






SCHEMATIC DIAGRAM – MAIN SECTION (2/2) –










PRINTED WIRING BOARDS –SW, METER Section–





For schematic diagrams.

- Note:**
- All capacitors are in μF unless otherwise noted. pF: $\mu\mu\text{F}$ 50 WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
 - % : indicates tolerance.
 - \triangle : internal component.
 -  : fusible resistor.
 -  : panel designation.

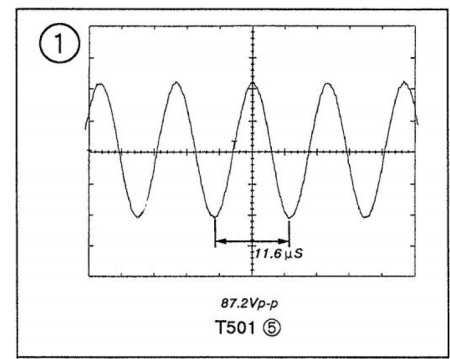
Note:
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

-  : B+ Line.
-  : B- Line.
-  : adjustment for repair.
- Voltages are dc with respect to ground under no-signal conditions.
no mark : PLAY
() : REC
- Voltages are taken with a VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 : PB (DECK A)
 : PB (DECK B)
 : REC (DECK B)
- Abbreviation
AUS : Australian

Note on Printed Wiring Boards:

- Note:**
-  : parts extracted from the component side.
 - \triangle : internal component.
 -  : Pattern from the side which enables seeing.
- Abbreviation
AUS : Australian

● Waveforms



ELECTRICAL PARTS LIST

MAIN

SW

METER

NOTE :

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms
METAL : Metal-film resistor
METAL OXIDE :Metal oxide-film resistor
F : nonflammable
- Items marked “ * ”are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- SEMICONDUCTORS
In each case, u : μ , for example :
uA.... : μ A.... , uPA.... : μ PA....
uPB.... : μ PB.... , uPC.... : μ PC....
uPD.... : μ PD....
- CAPACITORS
uF : μ F
- COILS
uH : μ H
- Abbreviation
AUS : Australian

The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|---------------------------------|------------------|----------|--------------|-------------|------------------|
| * | A-2007-564-A | MAIN BOARD, COMPLETE (US,AUS,E) | | C202 | 1-136-157-00 | MYLAR | 0.022uF 5% 50V |
| * | A-2007-589-A | MAIN BOARD, COMPLETE (AEP) | | C203 | 1-126-961-11 | ELECT | 2.2uF 20% 50V |
| | | ***** | | C204 | 1-162-292-31 | CERAMIC | 680PF 10% 50V |
| | | SW BOARD | | C205 | 1-104-665-11 | ELECT | 100uF 20% 10V |
| | | ***** | | C206 | 1-136-157-00 | MYLAR | 0.022uF 5% 50V |
| | | METER BOARD | | C207 | 1-126-961-11 | ELECT | 2.2uF 20% 50V |
| | | ***** | | C208 | 1-126-964-11 | ELECT | 10uF 20% 50V |
| | | | | C209 | 1-126-964-11 | ELECT | 10uF 20% 50V |
| | | | | C211 | 1-130-479-00 | MYLAR | 0.0047uF 5% 50V |
| * | 1-535-688-11 | TERMINAL (US,AUS,E) | | C212 | 1-162-289-31 | CERAMIC | 390PF 10% 50V |
| | | <CAPACITOR> | | C213 | 1-126-964-11 | ELECT | 10uF 20% 50V |
| | | | | C214 | 1-126-961-11 | ELECT | 2.2uF 20% 50V |
| C101 | 1-162-290-31 | CERAMIC | 470PF 10% 50V | C215 | 1-136-165-00 | MYLAR | 0.1uF 5% 50V |
| C102 | 1-136-157-00 | MYLAR | 0.022uF 5% 50V | C216 | 1-126-961-11 | ELECT | 2.2uF 20% 50V |
| C103 | 1-126-961-11 | ELECT | 2.2uF 20% 50V | C217 | 1-126-960-11 | ELECT | 1uF 20% 50V |
| C104 | 1-162-292-31 | CERAMIC | 680PF 10% 50V | C218 | 1-126-960-11 | ELECT | 1uF 20% 50V |
| C105 | 1-104-665-11 | ELECT | 100uF 20% 10V | C221 | 1-126-963-11 | ELECT | 4.7uF 20% 50V |
| C106 | 1-136-157-00 | MYLAR | 0.022uF 5% 50V | C222 | 1-124-902-00 | ELECT | 0.47uF 20% 50V |
| C107 | 1-126-961-11 | ELECT | 2.2uF 20% 50V | C223 | 1-126-963-11 | ELECT | 4.7uF 20% 50V |
| C108 | 1-126-964-11 | ELECT | 10uF 20% 50V | C224 | 1-126-964-11 | ELECT | 10uF 20% 50V |
| C109 | 1-126-964-11 | ELECT | 10uF 20% 50V | C225 | 1-162-600-11 | CERAMIC | 0.0047uF 30% 16V |
| C111 | 1-130-479-00 | MYLAR | 0.0047uF 5% 50V | C226 | 1-126-964-11 | ELECT | 10uF 20% 50V |
| C112 | 1-162-289-31 | CERAMIC | 390PF 10% 50V | C227 | 1-126-961-11 | ELECT | 2.2uF 20% 50V |
| C113 | 1-104-665-11 | ELECT | 100uF 20% 10V | C228 | 1-162-286-31 | CERAMIC | 220PF 10% 50V |
| C114 | 1-126-961-11 | ELECT | 2.2uF 20% 50V | | | | (AEP) |
| C115 | 1-136-165-00 | MYLAR | 0.1uF 5% 50V | C229 | 1-162-286-31 | CERAMIC | 220PF 10% 50V |
| C116 | 1-126-961-11 | ELECT | 2.2uF 20% 50V | | | | (AEP) |
| C117 | 1-126-960-11 | ELECT | 1uF 20% 50V | C231 | 1-136-433-11 | FILM | 100PF 5% 630V |
| C118 | 1-126-960-11 | ELECT | 1uF 20% 50V | C232 | 1-162-284-31 | CERAMIC | 150PF 10% 50V |
| C121 | 1-126-963-11 | ELECT | 4.7uF 20% 50V | | | | (US,AUS,E) |
| C122 | 1-124-902-00 | ELECT | 0.47uF 20% 50V | C233 | 1-136-439-11 | FILM | 330PF 5% 630V |
| C123 | 1-126-963-11 | ELECT | 4.7uF 20% 50V | C234 | 1-126-233-11 | ELECT | 22uF 20% 50V |
| C124 | 1-126-964-11 | ELECT | 10uF 20% 50V | C501 | 1-126-233-11 | ELECT | 22uF 20% 50V |
| C125 | 1-162-600-11 | CERAMIC | 0.0047uF 30% 16V | C502 | 1-126-964-11 | ELECT | 10uF 20% 50V |
| C126 | 1-126-964-11 | ELECT | 10uF 20% 50V | C503 | 1-126-233-11 | ELECT | 22uF 20% 50V |
| C127 | 1-126-961-11 | ELECT | 2.2uF 20% 50V | C504 | 1-124-902-00 | ELECT | 0.47uF 20% 50V |
| C128 | 1-162-286-31 | CERAMIC | 220PF 10% 50V | C505 | 1-126-964-11 | ELECT | 10uF 20% 50V |
| | | | (AEP) | C511 | 1-136-601-11 | FILM | 0.01uF 5% 630V |
| C129 | 1-162-286-31 | CERAMIC | 220PF 10% 50V | C512 | 1-136-562-11 | FILM | 0.0082uF 5% 630V |
| | | | (AEP) | C513 | 1-136-177-00 | MYLAR | 1uF 5% 50V |
| C131 | 1-136-433-11 | FILM | 100PF 5% 630V | C514 | 1-136-174-00 | MYLAR | 0.56uF 5% 50V |
| C132 | 1-162-284-31 | CERAMIC | 150PF 10% 50V | C515 | 1-106-365-00 | MYLAR | 0.0082uF 5% 100V |
| | | | (US,AUS,E) | C516 | 1-106-355-12 | MYLAR | 3300PF 5% 200V |
| C133 | 1-136-439-11 | FILM | 330PF 5% 630V | C517 | 1-106-355-12 | MYLAR | 3300PF 5% 200V |
| C134 | 1-126-233-11 | ELECT | 22uF 20% 50V | C518 | 1-124-902-00 | ELECT | 0.47uF 20% 50V |
| C201 | 1-162-290-31 | CERAMIC | 470PF 10% 50V | C519 | 1-104-666-11 | ELECT | 220uF 20% 16V |

TC-WE305

| MAIN | SW | METER |
|------|----|-------|
|------|----|-------|

| Ref. No. | Part No. | Description | | | Remark |
|----------|--------------|-------------|----------|-----|---------------|
| C520 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C521 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C522 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C701 | 1-126-942-61 | ELECT | 1000uF | 20% | 25V |
| C702 | 1-126-942-61 | ELECT | 1000uF | 20% | 25V |
| C704 | 1-104-666-11 | ELECT | 220uF | 20% | 16V |
| C705 | 1-104-666-11 | ELECT | 220uF | 20% | 16V |
| C706 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C707 | 1-126-767-11 | ELECT | 1000uF | 20% | 10V |
| C708 | 1-126-935-11 | ELECT | 470uF | 20% | 10V |
| C710 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C711 | 1-126-940-11 | ELECT | 330uF | 20% | 16V |
| C712 | 1-104-665-11 | ELECT | 100uF | 20% | 10V |
| △ C903 | 1-113-912-11 | CERAMIC | 0.0047uF | 20% | 400V (AEP) |

<CONNECTOR>

| | | |
|----------|--------------|------------------------------------|
| CN501 | 1-506-986-11 | PIN, CONNECTOR (PC BOARD) 4P |
| * CN502 | 1-691-577-11 | PIN, CONNECTOR (PC BOARD) 6P |
| * CN503 | 1-691-573-11 | PIN, CONNECTOR (PC BOARD) 2P |
| * CN504 | 1-691-579-11 | PIN, CONNECTOR (PC BOARD) 8P |
| * CN505 | 1-691-581-11 | PIN, CONNECTOR (PC BOARD) 10P |
| * CN701 | 1-691-573-11 | PIN, CONNECTOR (PC BOARD) 2P |
| * CN702 | 1-535-116-21 | TERMINAL (US,AUS,E) |
| * CN702 | 1-691-574-11 | PIN, CONNECTOR (PC BOARD) 3P (AEP) |
| * CN801 | 1-691-581-11 | PIN, CONNECTOR (PC BOARD) 10P |
| * CN802 | 1-691-577-11 | PIN, CONNECTOR (PC BOARD) 6P |
| CN803 | 1-506-987-11 | PIN, CONNECTOR (PC BOARD) 5P |
| * CNP506 | 1-560-060-00 | PIN, CONNECTOR 2P |

<DIODE>

| | | |
|------|--------------|--|
| D101 | 8-719-304-37 | DIODE SEL4414E-C-TP (PEAK LEVEL METER) |
| D102 | 8-719-304-37 | DIODE SEL4414E-C-TP (PEAK LEVEL METER) |
| D103 | 8-719-304-37 | DIODE SEL4414E-C-TP (PEAK LEVEL METER) |
| D104 | 8-719-304-37 | DIODE SEL4414E-C-TP (PEAK LEVEL METER) |
| D105 | 8-719-304-37 | DIODE SEL4414E-C-TP (PEAK LEVEL METER) |
| D106 | 8-719-304-32 | DIODE SEL4214S-C-TP (PEAK LEVEL METER) |
| D107 | 8-719-304-32 | DIODE SEL4214S-C-TP (PEAK LEVEL METER) |
| D108 | 8-719-991-33 | DIODE 1SS133T-72 |
| D201 | 8-719-304-37 | DIODE SEL4414E-C-TP (PEAK LEVEL METER) |
| D202 | 8-719-304-37 | DIODE SEL4414E-C-TP (PEAK LEVEL METER) |
| D203 | 8-719-304-37 | DIODE SEL4414E-C-TP (PEAK LEVEL METER) |
| D204 | 8-719-304-37 | DIODE SEL4414E-C-TP (PEAK LEVEL METER) |
| D205 | 8-719-304-37 | DIODE SEL4414E-C-TP (PEAK LEVEL METER) |
| D206 | 8-719-304-32 | DIODE SEL4214S-C-TP (PEAK LEVEL METER) |
| D207 | 8-719-304-32 | DIODE SEL4214S-C-TP (PEAK LEVEL METER) |
| D208 | 8-719-991-33 | DIODE 1SS133T-72 |
| D501 | 8-719-991-33 | DIODE 1SS133T-72 |
| D502 | 8-719-991-33 | DIODE 1SS133T-72 |
| D503 | 8-719-991-33 | DIODE 1SS133T-72 |
| D504 | 8-719-991-33 | DIODE 1SS133T-72 |
| D505 | 8-719-991-33 | DIODE 1SS133T-72 |
| D506 | 8-719-991-33 | DIODE 1SS133T-72 |
| D507 | 8-719-991-33 | DIODE 1SS133T-72 |
| D508 | 8-719-991-33 | DIODE 1SS133T-72 |
| D509 | 8-719-991-33 | DIODE 1SS133T-72 |
| D510 | 8-719-991-33 | DIODE 1SS133T-72 |
| D511 | 8-719-991-33 | DIODE 1SS133T-72 |
| D701 | 8-719-024-99 | DIODE 11ES2-NTA2B |
| D702 | 8-719-024-99 | DIODE 11ES2-NTA2B |
| D703 | 8-719-024-99 | DIODE 11ES2-NTA2B |

| Ref. No. | Part No. | Description | Remark |
|----------------|--------------|--|--------|
| D704 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D705 | 8-719-933-43 | DIODE HZS7A1LTA | |
| D706 | 8-719-991-33 | DIODE 1SS133T-72 | |
| D711 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D712 | 8-719-024-99 | DIODE 11ES2-NTA2B | |
| D713 | 8-719-991-33 | DIODE 1SS133T-72 | |
| D714 | 8-719-991-33 | DIODE 1SS133T-72 | |
| D715 | 8-719-991-33 | DIODE 1SS133T-72 | |
| D716 | 8-719-933-47 | DIODE HZS7B2LTA | |
| D717 | 8-719-991-33 | DIODE 1SS133T-72 | |
| D718 | 8-719-933-33 | DIODE HZS6A1LTA | |
| D801 | 8-719-991-33 | DIODE 1SS133T-72 | |
| D802 | 8-719-991-33 | DIODE 1SS133T-72 | |
| D803 | 8-719-991-33 | DIODE 1SS133T-72 | |
| D804 | 8-719-991-33 | DIODE 1SS133T-72 | |
| D807 | 8-719-302-46 | DIODE SEL1210S-C-TP3 (RECORD) | |
| D808 | 8-719-302-46 | DIODE SEL1210S-C-TP3 (DUBBING SPEED NORMAL) | |
| D809 | 8-719-302-46 | DIODE SEL1210S-C-TP3 (DUBBING SPEED HIGH) | |
| <IC> | | | |
| IC101 | 8-759-111-44 | IC uPC4570C-1 | |
| IC102 | 8-759-111-44 | IC uPC4570C-1 | |
| IC103 | 8-759-000-49 | IC MC14066BCP | |
| IC104 | 8-752-056-08 | IC CXA1551P | |
| IC105 | 8-752-055-62 | IC CXA1579P | |
| IC106 | 8-759-634-51 | IC NJM4558D | |
| IC107 | 8-759-079-42 | IC uPC1330HA-NA | |
| IC108 | 6-703-632-01 | IC LB1408 | |
| IC208 | 6-703-632-01 | IC LB1408 | |
| IC501 | 8-759-040-01 | IC MC14001BCP | |
| IC502 | 8-759-140-11 | IC MC14011BCP | |
| <JACK> | | | |
| J101 | 1-770-614-11 | JACK, PIN 4P (LINE IN/OUT) | |
| <CABLE HOLDER> | | | |
| * KH701 | 1-573-287-11 | HOLDER, CABLE 2P | |
| <COIL> | | | |
| L101 | 1-410-781-11 | INDUCTOR 33mH | |
| L201 | 1-410-781-11 | INDUCTOR 33mH | |
| <FILTER> | | | |
| LPF101 | 1-233-380-11 | FILTER, LOW PASS | |
| LPF201 | 1-233-380-11 | FILTER, LOW PASS | |
| <IC LINK> | | | |
| △ P701 | 1-532-984-11 | IC LINK 2A 50V (AEP) | |
| △ P702 | 1-532-984-11 | IC LINK 2A 50V (AEP) | |
| <TRANSISTOR> | | | |
| Q101 | 8-729-900-89 | TRANSISTOR BA1L4M-TP | |
| Q102 | 8-729-119-78 | TRANSISTOR 2SC2785TP-HFE | |
| Q103 | 8-729-119-78 | TRANSISTOR 2SC2785TP-HFE | |
| Q201 | 8-729-900-89 | TRANSISTOR BA1L4M-TP | |

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

| | | | | | | MAIN | | SW | | METER | | |
|------------|--------------|-------------|---------------|----|--------|---|----------|--------------|-------------|-------|----|--------|
| Ref. No. | Part No. | Description | | | | Remark | Ref. No. | Part No. | Description | | | |
| Q202 | 8-729-119-78 | TRANSISTOR | 2SC2785TP-HFE | | | | R204 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W |
| Q203 | 8-729-119-78 | TRANSISTOR | 2SC2785TP-HFE | | | | R205 | 1-247-889-00 | CARBON | 270K | 5% | 1/4W |
| Q501 | 8-729-900-65 | TRANSISTOR | BN1L4M-TP | | | | R206 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| Q503 | 8-729-029-94 | TRANSISTOR | BA1L3Z-TP | | | | R207 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| Q504 | 8-729-116-02 | TRANSISTOR | BA1A4M-TP | | | | R208 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W |
| Q505 | 8-729-900-89 | TRANSISTOR | BA1L4M-TP | | | | R209 | 1-247-850-11 | CARBON | 6.2K | 5% | 1/4W |
| Q506 | 8-729-119-76 | TRANSISTOR | 2SA1175TP-HFE | | | | R210 | 1-247-856-00 | CARBON | 11K | 5% | 1/4W |
| Q507 | 8-729-119-76 | TRANSISTOR | 2SA1175TP-HFE | | | | R211 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| Q508 | 8-729-900-65 | TRANSISTOR | BN1L4M-TP | | | | R212 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| Q509 | 8-729-119-78 | TRANSISTOR | 2SC2785TP-HFE | | | | R213 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| Q510 | 8-729-119-78 | TRANSISTOR | 2SC2785TP-HFE | | | | R214 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W F |
| Q511 | 8-729-900-89 | TRANSISTOR | BA1L4M-TP | | | | R215 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| Q512 | 8-729-900-89 | TRANSISTOR | BA1L4M-TP | | | | R216 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| Q515 | 8-729-142-46 | TRANSISTOR | 2SC2001TP-LK | | | | R217 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| Q516 | 8-729-142-46 | TRANSISTOR | 2SC2001TP-LK | | | | R218 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| Q517 | 8-729-142-46 | TRANSISTOR | 2SC2001TP-LK | | | | R220 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W |
| Q518 | 8-729-900-65 | TRANSISTOR | BN1L4M-TP | | | | R221 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W F |
| Q701 | 8-729-119-78 | TRANSISTOR | 2SC2785TP-HFE | | | | R222 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| Q702 | 8-729-119-78 | TRANSISTOR | 2SC2785TP-HFE | | | | R223 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W |
| Q703 | 8-729-209-60 | TRANSISTOR | 2SB1375 | | | | R224 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| Q704 | 8-729-119-76 | TRANSISTOR | 2SA1175TP-HFE | | | | R225 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| Q705 | 8-729-119-76 | TRANSISTOR | 2SA1175TP-HFE | | | | R228 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| Q706 | 8-729-209-15 | TRANSISTOR | 2SD2012 | | | | R229 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| <RESISTOR> | | | | | | | R230 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| <RESISTOR> | | | | | | | R231 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W F |
| R101 | 1-247-889-00 | CARBON | 270K | 5% | 1/4W | | R233 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R102 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | | R235 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R103 | 1-247-850-11 | CARBON | 6.2K | 5% | 1/4W | | R241 | 1-247-854-11 | CARBON | 9.1K | 5% | 1/4W |
| R104 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W | | R242 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R105 | 1-247-889-00 | CARBON | 270K | 5% | 1/4W | | R501 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R106 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | | R502 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R107 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | | R503 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R108 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W | | R504 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R109 | 1-247-850-11 | CARBON | 6.2K | 5% | 1/4W | | R505 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| R110 | 1-247-856-00 | CARBON | 11K | 5% | 1/4W | | R506 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R111 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | | R507 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R112 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | | R508 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R113 | 1-215-451-00 | METAL | 18K | 1% | 1/4W | | R509 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R114 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | | R510 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R115 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | | R511 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R116 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | R512 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F |
| R117 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | | R513 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R118 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F | | R514 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| R120 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W | | R515 | 1-215-455-00 | METAL | 27K | 1% | 1/4W |
| R121 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W F | | R517 | 1-247-856-00 | CARBON | 11K | 5% | 1/4W |
| R122 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F | | R518 | 1-247-852-11 | CARBON | 7.5K | 5% | 1/4W |
| R123 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | | R519 | 1-247-856-00 | CARBON | 11K | 5% | 1/4W |
| R124 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W | | R520 | 1-247-852-11 | CARBON | 7.5K | 5% | 1/4W |
| R125 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F | | R521 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W |
| R128 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | | R522 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R129 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F | | R523 | 1-247-862-11 | CARBON | 20K | 5% | 1/4W |
| R130 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | | R524 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R131 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W F | | R525 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W F |
| R133 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | R526 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R135 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | | △R527 | 1-212-849-00 | FUSIBLE | 4.7 | 5% | 1/4W |
| R141 | 1-247-854-11 | CARBON | 9.1K | 5% | 1/4W | | △R528 | 1-212-849-00 | FUSIBLE | 4.7 | 5% | 1/4W |
| R142 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | | R529 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R201 | 1-247-889-00 | CARBON | 270K | 5% | 1/4W | | R530 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R202 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified. | | | | | | |
| R203 | 1-247-850-11 | CARBON | 6.2K | 5% | 1/4W | | | | | | | |

TC-WE305

| MAIN | SW | METER |
|------|----|-------|
|------|----|-------|

| Ref. No. | Part No. | Description | Remark |
|---------------------|--------------|---|--------|
| R531 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R532 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R533 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| R534 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R535 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W F |
| R536 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W F |
| R701 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W F |
| R702 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W F |
| R703 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W F |
| R704 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W F |
| R705 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R706 | 1-247-843-11 | CARBON 3.3K 5% | 1/4W |
| R707 | 1-247-807-31 | CARBON 100 5% | 1/4W |
| R709 | 1-249-424-11 | CARBON 3.9K 5% | 1/4W F |
| R710 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W F |
| R711 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R712 | 1-249-417-11 | CARBON 1K 5% | 1/4W F |
| R713 | 1-249-433-11 | CARBON 22K 5% | 1/4W |
| R714 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W F |
| R715 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W F |
| R811 | 1-249-413-11 | CARBON 470 5% | 1/4W F |
| R812 | 1-249-413-11 | CARBON 470 5% | 1/4W F |
| R813 | 1-249-412-11 | CARBON 390 5% | 1/4W F |
| R815 | 1-249-408-11 | CARBON 180 5% | 1/4W F |
| R821 | 1-249-430-11 | CARBON 12K 5% | 1/4W |
| R822 | 1-249-424-11 | CARBON 3.9K 5% | 1/4W F |
| R823 | 1-247-838-00 | CARBON 2K 5% | 1/4W |
| <VARIABLE RESISTOR> | | | |
| RV101 | 1-241-764-11 | RES, ADJ, CARBON 10K (PB LEVEL L-CH) (DECK A) | |
| RV102 | 1-241-764-11 | RES, ADJ, CARBON 10K (PB LEVEL L-CH) (DECK B) | |
| RV103 | 1-241-764-11 | RES, ADJ, CARBON 10K (REC LEVEL L-CH) | |
| RV105 | 1-241-768-11 | RES, ADJ, CARBON 220K (REC BIAS L-CH) | |
| RV107 | 1-223-850-11 | RES, VAR, CARBON 20K/20K (REC LEVEL) | |
| RV201 | 1-241-764-11 | RES, ADJ, CARBON 10K (PB LEVEL R-CH) (DECK A) | |
| RV202 | 1-241-764-11 | RES, ADJ, CARBON 10K (PB LEVEL R-CH) (DECK B) | |
| RV203 | 1-241-764-11 | RES, ADJ, CARBON 10K (REC LEVEL R-CH) | |
| RV205 | 1-241-768-11 | RES, ADJ, CARBON 220K (REC BIAS R-CH) | |
| RV501 | 1-241-762-11 | RES, ADJ, CARBON 2.2K (TAPE SPEED HIGH) (DECK A) | |
| RV502 | 1-241-762-11 | RES, ADJ, CARBON 2.2K (TAPE SPEED NORMAL) (DECK A) | |
| RV503 | 1-241-762-11 | RES, ADJ, CARBON 2.2K (TAPE SPEED HIGH) (DECK B) | |
| RV504 | 1-241-762-11 | RES, ADJ, CARBON 2.2K (TAPE SPEED NORMAL) (DECK B) | |
| <SWITCH> | | | |
| S701 | 1-762-580-11 | SWITCH, PUSH (1 KEY) (POWER) (US,AUS,E) | |
| △ S702 | 1-762-581-11 | SWITCH, AC POWER PUSH (1 KEY) (POWER) (AEP) | |
| S801 | 1-762-251-11 | SWITCH, SLIDE (DOLBY NR) | |
| S802 | 1-762-251-11 | SWITCH, SLIDE (DECK A TAPE TYPE) | |
| S803 | 1-762-747-11 | SWITCH, PUSH (1 KEY) (DUBBING SPEED) | |
| S804 | 1-762-748-11 | SWITCH, SLIDE (DECK B TAPE TYPE) | |
| <TRANSFORMER> | | | |
| T501 | 1-427-780-11 | TRANSFORMER, BIAS OSCILLATION | |

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

MEMO

REVISION HISTORY

Clicking the version allows you to jump to the revised page.

Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

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